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# Undergraduate

## Learn from a Leader in Online Education

Our department chairs meet regularly with industry experts who help shape our curriculum to ensure that the courses you take are relevant to your interests and today's job market.

[View All Programs \(p. 53\)](#)

# About APUS

Gen. Alfred M. Gray University Center

# Message from the President

American Public University System is reimagining the learning experience and rethinking how we approach online education with our students top of mind.

As we progress on a three-year plan for our global digital journey, APUS is embracing change, technology, and digital services – and we continue to do so with our global students front and center.

Our commitment is still the same. Our mission has not changed. But we are doubling down on our objective to prepare tomorrow's leaders for challenges that might not even exist today.

Founded in 1991 by a visionary retired Marine Corps officer who saw an innovative way to offer high-quality and affordable education to U.S. servicemembers, we have transformed into an innovative, global institution serving a wide-ranging population of nearly 88,000 students through American Military University (<https://www.amu.apus.edu>) and American Public University (<https://www.apu.apus.edu>).

APUS (<https://www.apus.edu>) prides itself on digital learning for real life. We are proud to be a leading provider of affordable, career-relevant, and accessible online education to learners of all backgrounds.

As the No. 1 provider of higher education to the U.S. military and veterans\*, we offer over 200 online degree and certificate programs at all degree levels including doctoral programs. Today, we have over 149,000 alumni from more than 80 countries, as well as all 50 states territories.

APUS has been recognized for our innovative approach to online learning by the prestigious Online Learning Consortium (OLC) on several occasions for best practices. \*\* Our accredited University, (<https://www.amu.apus.edu/aboutus/accreditation>) designed for working professionals, is held to very high standards. APUS is in the top 11% for students' return on educational investment, compared to 4,500 colleges and universities nationwide, according to the Georgetown University Center on Education and the Workforce (2022). \*\*\*

We strive to keep our tuition and fees affordable so that a high-quality education remains within reach for underserved populations and first-generation learners.

What makes us different?

We work closely with industry leaders to continually assess our innovative curriculum based upon market needs and best practices, with a keen eye on continuous improvement. Above all, we provide outstanding programs, dynamic student services, and robust career services (<https://www.apu.apus.edu/career-services>), all designed to help prepare you for your next challenges.

Our comprehensive student support includes several digital student services that enable access to 24/7 mental health support via apps and instant messaging (TalkCampus (<https://www.apus.edu/newsroom/press-releases/2023/2023-03-01-apus-prioritizes-students-mental-health-and-wellness-with-free-access-to-talkcampus-app>)), certified career coaching (LifeRamp (<https://www.apus.edu/newsroom/press-releases/2023/2023-11-15-apus-announces-new-career-coaching-partnership-with-liferamp>)), and an AI-powered resume-building platform (Hiration (<https://www.apus.edu/newsroom/press-releases/2023/2023-08-24-apus-now-offering-ai-powered-resume-building-platform-to-students-and-alumn-at-no-charge>)) for no additional cost. And there is more to come.

Our nearly 1,760 full- and part-time faculty members are forward-thinking scholar-practitioners who bring best practices into the classroom in various disciplines such as cybersecurity, artificial intelligence, supply chain logistics, and business management, among other fields. Our faculty includes successful executives in government, business, and non-profit organizations.

Our learners are highly motivated and often balancing family, school, and their careers. As an undergraduate student, you'll quickly discover a diverse, vibrant, supportive, and empowering university community of faculty, staff, and fellow scholars who help drive an enriching and engaging classroom experience and help you build a professional network.

I invite you to be a part of our community. Find out how our university is helping learners achieve their goals – and how we can help you prepare for tomorrow's challenges.

Nuno Fernandes

President

\*Based on FY2019 Department of Defense tuition assistance data, as reported by Military Times, 2020, and Veterans Administration student enrollment data as of 2023.

\*\*APUS has been honored with the online Learning Consortium's Gomory Award for Quality Online Education and is a five-time recipient of the consortium's Effective Practice Award (<https://www.apus.edu/newsroom/awards>).

\*\*\*Ranking based on 20-year net present value (<https://cew.georgetown.edu/cew-reports/roi2022>) (NPV).

# Mission, Vision, and Core Values

## Mission Statement

American Public University System's mission is to provide high quality higher education with emphasis on educating the nation's military and public service communities by offering respected, relevant, accessible, affordable, and student-focused online programs that prepare them for service and leadership in a diverse, global society.

## Vision

American Public University System seeks to advance social, economic and environmental well-being through the transformative power of education with:

- Dynamic, engaging, quality learning experiences
- Best-in-class student interface
- Diverse and career relevant degree programs
- Communities of lifelong learners and practice in selected disciplines
- Evaluation of transfer credit and competency-based learning
- Affordability relative to public institutions
- Strategic partnerships with key stakeholders; and,
- Thought leadership that contributes to effective change in higher education

## Core Values

The University System is guided in fulfilling its mission by these shared principles and core values:

**Accessibility:** The University provides educational access to a diverse community of traditional and non-traditional learners in an environment that supports a lifetime of learning and freedom of inquiry and expression.

**Innovation:** The University implements imaginative and forward-thinking solutions to its changing environmental and student needs.

**Integrity:** The University holds itself accountable for conducting operations in an ethical manner and practices fairness, honesty, and objectivity.

**Learning:** The University fosters an environment of knowledge and understanding that promotes a life of learning.

**Quality:** The University is committed to high standards of distinction, excellence and continuous improvement in all aspects of its evolving operations.

# History

The American Public University System (APUS) traces its history to June 11, 1991 with the establishment of American Military University (AMU) in the Commonwealth of Virginia. AMU was founded by retired Marine Corps Major James P. Etter as a graduate school of military studies for the purpose of providing military officers an opportunity to earn an advanced degree in a discipline associated with their profession of arms.

AMU offered all of its programs exclusively through distance learning. At that time, it was one of the first American degree-granting institutions operating exclusively at a distance. This method was adopted to accommodate the special needs of military students who moved often and served under uncertain conditions associated with training, exercises, and extended deployments. Distance learning allowed them the flexibility and accessibility to continue their studies under these demanding conditions with an institution that followed them through mail, e-mail, phone, and fax around the globe.

The University began operations and accepting students in January 1993 with 18 graduate students registering for 22 courses in Land, Naval, or Air Warfare. AMU's curriculum was gradually expanded to include related disciplines such as Unconventional Warfare, Civil War Studies, Intelligence, Defense Management, and National Security Studies.

In June 1995, AMU achieved initial accreditation with the Accrediting Commission of the Distance Education and Training Council (DETC). With this national accreditation, AMU students became eligible for Department of Defense Tuition Assistance Programs, the Veterans Administration Entitlement Programs, and federal and corporate tuition reimbursement benefits.

In January 1996, AMU introduced its undergraduate program with three initial areas of study: Military History, Military Management, and Intelligence Studies. These programs were intended to provide military personnel an opportunity to earn a relevant baccalaureate degree. Later, AMU began offering an Associate of Arts degree in General Studies to fulfill the needs of service members seeking a two-year degree. The University continued to expand its curriculum in response to the needs of its students and the military. Accordingly, programs such as Criminal Justice, Management, International Relations, Homeland Security, Security Management, Transportation and Logistics Management, Sports Management, Emergency and Disaster Management, and, later, a full range of liberal arts programs were introduced to meet the diverse interests and aspirations of the University's growing student body. With these new degree programs, AMU began attracting students from professions outside the military, primarily those in public service with law enforcement, fire and rescue, emergency planning, government, and defense contractors.

In 1998, AMU began transitioning its programs and services from a correspondence format to online to leverage the accessibility of online electronic classrooms, administrative services, and learning support facilities. At this time, AMU also outsourced its bookstore and textbook fulfillment services to an industry leader and began developing its proprietary student information system, Partnership At a Distance, or PAD. This system enabled students to apply for admission, complete an online orientation, register for courses, check degree progress, and apply for graduation from the convenience of their home or office with constant access to these online services.

In 2002, AMU expanded into the American Public University System and established American Public University to serve the educational needs of the public service community. Adopting the slogan of "Educating Those Who Serve", the APUS Mission expanded "to serve the nation's military and public service community with superior, relevant, and affordable distance learning programs which prepare them for leadership and service in a diverse, global society." With this organizational and mission expansion, the University System continued to expand and refine its curriculum to meet the special educational needs of its diverse student body.

In 2007, the APUS Mission evolved into "to educate the nation's military and public service communities by providing respected, relevant, affordable, and student-focused online programs, which prepare them for service and leadership in a diverse, global society" to more accurately define the institution's charge.

APUS was established in West Virginia, located within the region accredited by the Higher Learning Commission (HLC). Accordingly, APUS underwent the process of accreditation achieving this status in May 2006. The Higher Learning Commission is an institutional accrediting agency recognized by the U.S. Department of Education and the Council for Higher Education Accreditation.

Today, APUS and its member institutions, American Military University and American Public University, serve more than 70,000 military and military-affiliated professionals with relevant distance learning programs. APUS serves students in all U.S. states and territories and in more than 100 foreign

countries. APUS is appropriately a wholly-owned subsidiary of a publicly-owned company, American Public Education, Incorporated (APEI) which issued an initial public offering of its stock in November 2007 and is now trading on the NASDAQ as APEI.

# Accreditation and Licensure

## Accreditation

Accreditation within higher education is a voluntary, nongovernmental process that gives public recognition to institutions that meet established quality standards. The purpose of accreditation is to assure the public as to the quality of an institution and its commitment to high standards through a system of continuous improvement. The U.S. Department of Education (USDE (<http://www.ed.gov>)) formally recognizes accrediting commissions that meet all federal standards and the Council for Higher Education Accreditation (CHEA (<http://www.chea.org>)) extends recognition to accrediting bodies and their institutions that meet these established standards. American Public University System (APUS) has obtained institutional accreditation as well as programmatic accreditation. More specific information on both institutional and programmatic accreditation can be found here: <https://www.apus.edu/about/accreditation>.

Credits and degrees earned through APUS may be recognized for promotion, assignment, and position qualification standards within the military, federal government, and private sector. For students transferring to other colleges, APUS credit is considered transfer eligible based on its accreditation. However, APUS cannot guarantee that its credit will be accepted, as acceptance of credit is always the prerogative of the receiving institution.

If you have questions or need further information on accreditation, please contact the Office of Institutional Accreditation at [accreditation@apus.edu](mailto:accreditation@apus.edu), Telephone: 304-724-3778.

## Institutional Accreditation

American Public University System (APUS) is accredited by the Higher Learning Commission (HLC). APUS is comprised of American Military University (AMU) and American Public University (APU). The Higher Learning Commission is an institutional accrediting body recognized by the USDE and CHEA. Accreditation requires a significant amount of self-study and presentation of evidence to satisfy the demanding requirements of accrediting organizations. Obtaining accreditation demonstrates that APUS is focused on academic excellence and providing the best possible educational experience for its students.

Further information on recognition policies and standards may be found on the following websites:

- U.S. Department of Education (<http://www.ed.gov>)  
400 Maryland Avenue, SW  
Washington, DC 20202  
(800) USA-LEARN (800-872-5327)
- Council for Higher Education Accreditation (CHEA) (<http://www.chea.org>)  
One Dupont Circle, NW, Suite 510  
Washington, DC 20036  
(202) 955-6126
- The Higher Learning Commission (HLC) (<https://www.hlcommission.org>)  
230 South LaSalle Street, Suite 7-500  
Chicago, IL 60604  
(312) 263-0456

As an accredited institution, APUS is eligible to participate in federal educational entitlement programs such as military tuition assistance, government tuition reimbursement programs, the Department of Veterans Affairs GI Bill®, and many corporate education assistance programs. In addition, APUS has been granted approval by the Department of Education to participate in Title IV Federal Student Aid Programs.

*GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by the VA is available at the official website: <http://www.benefits.va.gov/gibill>.*



## Licensure

The American Public University System is authorized to operate as an institution of higher education by the West Virginia Higher Education Policy Commission (WVHEPC). Additionally, the American Public University System is engaged in a continuous process to certify that it is recognized as an accredited institution of higher learning by all 50 states and the District of Columbia. In this regard, the University is committed to ensuring that its academic programs, business practices, and operational activities remain in compliance with applicable regulations specific to each jurisdiction. We also work through the State Authorization Reciprocity Agreement (SARA) process to ensure that when authorization or licensure is necessary, the required approvals are secured. West Virginia is a member of SARA and APUS is an approved SARA institution. Participation in SARA is intended to make it easier for students to take online courses offered by postsecondary institutions based in another state; however, SARA has no effect on state professional licensing requirements. For more information about SARA, please visit <http://www.nc-sara.org/>.

**Alabama:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Alabama.

**Alaska:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Alaska.

**Arizona:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Arizona.

**Arkansas:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Arkansas.

**California:** Effective July 1, 2017, an out-of-state private postsecondary educational institution must register with the California Bureau for Private Postsecondary Education (BPPE) to enroll California students. APUS is registered as an out-of-state private postsecondary institution with the BPPE and able to enroll California students.

**Colorado:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Colorado.

**Connecticut:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Connecticut.

**Delaware:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Delaware.

**Florida:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Florida.

**Georgia:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Georgia.

**Hawaii:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Hawaii.

**Idaho:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Idaho.

**Illinois:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Illinois.

**Indiana:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Indiana.

**Iowa:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Iowa.

**Kansas:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Kansas.

**Kentucky:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Kentucky.

**Louisiana:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Louisiana.

**Maine:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Maine.

**Maryland:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Maryland.

**Massachusetts:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Massachusetts.

**Michigan:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Michigan.

**Minnesota:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Minnesota.

**Mississippi:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Mississippi.

**Missouri:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Missouri.

**Montana:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Montana.

**Nebraska:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Nebraska.

**Nevada:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Nevada.

**New Hampshire:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of New Hampshire.

**New Jersey:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of New Jersey.

**New Mexico:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of New Mexico.

**New York:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of New York. All Master of Science in Nursing programs and Nursing Graduate Certificates are not currently open for admission to New York residents.

**North Carolina:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of North Carolina.

**North Dakota:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of North Dakota.

**Ohio:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Ohio.

**Oklahoma:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Oklahoma.

**Oregon:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Oregon.

**Pennsylvania:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Pennsylvania.

**Rhode Island:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Rhode Island.

**South Carolina:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of South Carolina.

**South Dakota:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of South Dakota.

**Tennessee:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Tennessee.

**Texas:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Texas.

**Utah:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Utah.

**Vermont:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Vermont.

**Virginia:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Virginia.

**Washington:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Washington. All Nursing programs are not currently open for admission to Washington State residents.

**West Virginia:** The University has received Category II status from the West Virginia Higher Education Policy Commission, which represents the final step in achieving full authorization to operate in the state.

**Student Complaints:** The West Virginia Higher Education Policy Commission encourages students to seek first informal resolution of any concern or issue. If the issue cannot be resolved informally, the student should follow the institution's formal complaint or grievance procedure. If, after exhausting the institution's internal grievance procedures, the institution has not responded to the student's satisfaction or a satisfactory remedy has

not been found, the student may contact the Commission for further investigation into the issue. Upon receipt of a complaint, the Commission may conduct an investigation or refer the issue to another agency that is authorized to address the issue. The Commission may contact institution officials to discuss a possible resolution. Instructions for filing a complaint with the West Virginia Higher Education Policy Commission can be found at <https://www.wvhepc.edu/wp-content/uploads/2024/10/Student-Complaint-Process.pdf>.

**Wisconsin:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Wisconsin.

**Wyoming:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Wyoming.

**The District of Columbia:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of The District of Columbia. The RN-BSN is currently not open for admission to District of Columbia residents.

## Territory Specific Details

**Puerto Rico:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of Puerto Rico.

**U.S. Virgin Islands:** As an approved SARA institution, APUS is authorized to offer online programs to the residents of the U.S. Virgin Islands.

# Leadership

- Leadership (<https://www.apus.edu/about/leadership/executive-leadership-senior-management>)
- Board of Trustees (<http://www.apus.edu/about-us/leadership/trustees.htm>)

## Financial Disclosure

The American Public University System provides summarized audited financial information to individuals who wish to determine the financial status of the University System and its institutions. The University System's fiscal year runs from January 1 - December 31 each year. Individuals who wish to review published financial information can do so by visiting the American Public Education, Inc. website at [www.apei.com](http://www.apei.com) (<http://www.apei.com>).

# Disability Accommodations

This institution complies with the Americans with Disabilities Act, Section 504 of the Rehabilitation Act, and state and local requirements regarding students with disabilities. Accommodations will be provided to qualified students with disabilities (including, but not limited to, mental health disabilities, physical/learning disabilities or temporary disabilities) in compliance with federal and state regulations.

The University does not discriminate on the basis of disability in violation of applicable law and regulation. The University does not discriminate in admission or access to, or treatment or employment in, its programs or activities. The University's Disability Officer coordinates compliance with the Section 504 regulation and may be contacted at:

Julie Komisarcik  
Director and Disability Officer  
111 West Congress Street  
Charles Town, WV 25414  
304-885-5252  
DSA@apus.edu

A request for accommodation will be considered if the request:

- is based on documentation that meets APUS' published guidelines;
- does not compromise essential requirements of a course or program; and
- does not impose a financial or administrative burden upon APUS beyond that which is deemed reasonable.

A qualified student can, with or without accommodations, perform the essential functions of program or course requirements. Accommodations are intended to provide equal access to qualified students with disabilities to pursue their studies with the same level of rigor and demand as their classmates without disabilities. The essential requirements of an academic course or program need not be modified to accommodate an individual with a disability.

Final responsibility for selection of the most appropriate accommodation rests with the Disability Services Accommodations Office (DSA) and is determined on an individual case-by-case basis, based on the nature of the student's disability. Students are encouraged to e-mail DSA@apus.edu to discuss potential academic accommodations and begin the review process.

It is the student's responsibility to follow the DSA process as published in the Student Handbook (<http://www.apus.edu/student-handbook/Disability-Accommodations>).

# Employment Disclosure

American Public University System (APUS) offers academic programs leading to degrees and certificates in a number of fields for which professional practice requires licensure or certification by state, local, or professional boards. In addition, employers consider a range of factors when determining whether a candidate is eligible for a job, including, among other things, work experience, results of criminal background checks and military discharge information.

APUS makes no representation or guarantee that successful completion of a degree or certificate program at APUS will enable a student to obtain professional licensure or certification or particular employment.

Students and former students are solely responsible for determining and complying with state, local, or professional licensure and certification requirements and with other employment requirements. Prior to enrolling in any program, you are strongly encouraged to research carefully all licensure, certification and employment requirements related to their desired fields of study.

To assist our students and alumni in their career search and in pursuing their career goals, the APUS Office of Career Services provides a variety of tools, resources, guidance, and information. For more information on career services, visit AMU Career Services ([http://www.amu.apus.edu/career-services/home/index.htm?\\_ga=2.125263946.1928558423.1503319275-1775644059.1454592820](http://www.amu.apus.edu/career-services/home/index.htm?_ga=2.125263946.1928558423.1503319275-1775644059.1454592820)) or APU Career Services ([http://www.apu.apus.edu/career-services/home/index.htm?\\_ga=2.121482056.1928558423.1503319275-1775644059.1454592820](http://www.apu.apus.edu/career-services/home/index.htm?_ga=2.121482056.1928558423.1503319275-1775644059.1454592820)).

Recent AMU or APU graduates should be aware that it is APUS policy not to hire alumni until they have demonstrated significant classroom experience outside of our own university system. A period of two to five years of outside experience is required. This policy ensures that the body of faculty at APUS maintains a variety of perspectives and brings fresh ideas to our organization.

# Policies

- *Alcohol and Drug Policy*
- *Code of Conduct*
- *Early Course Access*
- *Harassment, Discrimination, and Retaliation Policy*
- *University General Grievance Procedure* (p. 37)
- *Technology Requirements* (p. 36)
- *Grading Policies* (p. 30)
- *Repeat Coursework* (p. 32)
- *Residential Credit Policy*
- *Credit Hour Definition*
- *Student Rights and Responsibilities* (p. 35)



## Alcohol and Drug Policy

For information on American Public University System's Alcohol and Drug Policy, please refer to our Student Handbook (<https://www.apu.apus.edu/student-handbook/university-policies-and-code-of-conduct/apus-consumer-information/alcohol-and-drug-policy>).

# Code of Conduct

For information on American Public University System's Code of Conduct, please refer to our Student Handbook (<https://www.apu.apus.edu/student-handbook/university-policies-and-code-of-conduct/apus-student-code-of-conduct>).

# Credit Hour Definition

## Policy:

All undergraduate and graduate courses at the American Public University System adhere to the Federal Credit Hour Definition below:

### Department of Education Definition (34 CFR 600.2)

<https://www.federalregister.gov/documents/2020/09/02/2020-18636/distance-education-and-innovation>

Credit hour: Except as provided in 34 CFR 668.8(k) and (l), a credit hour is an amount of student work defined by an institution, as approved by the institution's accrediting agency or State approval agency, that is consistent with commonly accepted practice in postsecondary education and that—

1. Reasonably approximates not less than—

- One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different period of time; or
- At least an equivalent amount of work as required in paragraph (1) (i) of this definition for other academic activities as established by the institution, including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours; and

2. Permits an institution, in determining the amount of work associated with a credit hour, to take into account a variety of delivery methods, measurements of student work, academic calendars, disciplines, and degree levels.

APUS also adheres to guidance from the Higher Learning Commission found in the policy language below:

### HLC Policy Language (FDCR.A.10.020)

<https://www.hlcommission.org/Policies/assignment-of-credits.html>

An institution shall be able to equate its learning experiences with semester or quarter credit hours using practices common to institutions of higher education, to justify the lengths of its programs in comparison to similar programs found in accredited institutions of higher education, and to justify any program-specific tuition in terms of program costs, program length, and program objectives. Affiliated institutions shall notify the Commission of any significant changes in the relationships among credits, program length, and tuition.

Assignment of Credit Hours. The institution's assignment and award of credit hours shall conform to commonly accepted practices in higher education. Those institutions seeking, or participating in, Title IV federal financial aid, shall demonstrate that they have policies determining the credit hours awarded to courses and programs in keeping with commonly-accepted practices and with the federal definition of the credit hour, as reproduced herein for reference only, and that institutions also have procedures that result in an appropriate awarding of institutional credit in conformity with the policies established by the institution.

## Procedure:

All new programs, concentrations, certificates, and courses assure quality from their inception through a multi-stakeholder process involving review by the School Curriculum Committee, the Academic Leadership Committee, the executive leadership, and, if a new program or certificate, by an external reviewer, and the Board of Trustees. APUS developed the process to ensure all new programs, concentrations, certificates, and courses are current and the level of student performance is appropriate. The APUS curriculum guidebook and program proposal templates are used as tools for stakeholders to develop and revise academic programs, concentrations, and courses based on the credit hour definition and policy language above.

Over the past decade, APUS has used information provided through its contact hour calculator based on the traditional Carnegie unit as an additional method for ensuring course workload sits at the appropriate level. APUS continues to evaluate and will update the aforementioned policy and corresponding procedures as needed and in accordance with applicable law and best practices for learning.

## Early Course Access

For information on the Early Course Access Policy, please refer to our Student Handbook (<https://www.apu.apus.edu/student-handbook/your-academic-success/before-your-course-begins/early-course-access>).

# Grading Policies

The APUS grading system is provided in the following chart. Additional information regarding the posting of grades and the petitioning of grades is available in the Student Handbook.

Grade	Quality Points	Description
A	4.0	Very high quality, clearly above average work
A-	3.67	
B+	3.33	
B	3.0	Above average
B-	2.67	
C+	2.33	
C	2.0	
C-	1.67	Below Average
D+	1.33	Unsatisfactory
D	1.0	Unsatisfactory
D-	.67	Unsatisfactory
F	0.0	Failing
P	NONE	Pass
I	NONE	Incomplete
DP	NONE	Dropped
W	NONE	Withdrawn
WP	NONE	Withdrawn Passing
WF	NONE	Withdrawn Failing
X	NONE	Audit grade: No Academic Credit awarded
TC	NONE	Transfer Credit
PLA	NONE	Credit from review of Prior Learning Experience
R	NONE	Course No Longer Counted in APUS GPA as it was Retaken. However, the previous grade would still be counted by a third parties, such as the federal government for Financial Aid eligibility and by the military for calculating a GPA for TA eligibility.
S	NONE	Satisfactory: No Academic Credit awarded
U	NONE	Unsatisfactory: No Academic Credit awarded

# Harassment, Discrimination, and Retaliation Policy

For information on American Public University System's Title IX Compliance Policy and grievance procedures, please refer to our Student Handbook (<https://www.apus.edu/student-handbook/university-policies-and-code-of-conduct/apus-consumer-information/harassment-discrimination-and-retaliation-policy.html>).

# Repeat Coursework

Students are eligible for a one-time course retake for a failing grade "F". You may retake the same course if it is still offered at APUS or a course equivalency has been established for the curriculum.

Students who received a C- or below at the undergraduate level or B- or below at the master's level and need to transfer the course to another university or for acceptance to an outside program are permitted a one-time course retake. The new grade, regardless of whether it is lower than the first attempt, will replace the previous grade earned. Students should contact academic advising at [advising@apus.edu](mailto:advising@apus.edu) to make the retake request. Documentation is required and the supporting materials will be sent to the Registrar's office for review and final approval/denial of the retake request. If approved, the student will be manually registered for the retake.

## Retaking a Failed Course

APUS now allows you one opportunity to retake a failed course and have your original failed grade forgiven from your GPA. The original failing grade will show as "R" on your transcript, and the previous failing grade will be removed from your GPA as long as you complete the course retake. However, you will still see your original failing grade on your personal online academic plan and on your individual online grade reports.

If you are an undergraduate student who fails ENGL101 or ENGL110 twice, you may be placed on academic suspension pending dismissal from the university. Please contact your Academic Advisor for additional assistance.

If you fail any other course required in your program twice, you will either be required to change your program or you may no longer be eligible to continue at APUS, depending upon your academic progression and if you have attempted too many courses to qualify for a program change.

### Prior to August 2008

- If the course start date for your retaken course was **prior to August 1, 2008**, the retake does not impact the original failing grade. Both failing grades will be displayed on the transcript and both will be incorporated into the GPA.

### August 2008 to April 2014

- If the course start for your retaken course was on or after August 1, 2008, the retake removes the impact of the original failing grade on your GPA.

### On or After April 2014

- Any courses starting in April 2014 or after, will only be allowed one retake.
- All failed attempts of the course prior to April 2014 will count as one failure, so as of April 2014, you will still have one attempt available to pass any previously failed course.
- If you fail a required course twice in your program, you will need to change your major to a program where that course is not required.

## Important to Know

- The course retake policy only applies if the exact course that you previously failed is still offered or if a course equivalency has been established in the curriculum.
- This policy does not apply to comprehensive exam or capstone/thesis/practicum courses. Please see the Student Handbook for the retake policy on these course types.
- Original failing grades of retaken courses will still be used to calculate SAP (Satisfactory Academic Progress) for financial aid and for the 150% rule of course credit attempted vs course credit earned for graduation eligibility.



- The retake policy does not apply to courses that you took in programs that you have already completed. For example, if you failed a course in your Associates program, and have already had that degree conferred, you cannot have the original failing grade forgiven in your GPA by retaking it now in your Bachelor's program.
- The Army does not follow AMU's course retake policy when it is calculating your overall GPA for TA eligibility. The Army's GPA is independent of a GPA with a soldier's home college. It is calculated by averaging the grades for each completed course in the soldier's Army Education records.
- **Undergraduate Only:** If you previously took a split science lecture/lab course combination, and failed one of the component courses, you will not be able to retake this science combination. You will need to take a different Science course selection to fulfill your GEN ED requirement. If the specific course you failed is a required course in your program, please contact your Academic Advisor to help you with this process.

## Residential Credit Policy

All courses completed at APUS, either through a conferred degree or expired program, will be considered Residential Credit for the student's current program as well as future program where the courses are applicable. Residential Credit will not be counted towards transfer credit maximums and will not carry previously earned course grades, thus not impacting the grade point average in the subsequent program. The Initial Enrollment Date and Program Deadline for subsequent programs will be reset based on the first course completed in the new program.

Students wishing to earn an Associate's degree where all completed courses overlap with the requested Bachelors' requirements may not enroll in the requested program unless they enroll in a program where credentials may be earned along the way. If a student requests a change to an Associate's program, where all courses from a conferred Bachelor's degree overlap with the Associates degree, then they may not be eligible.

Additionally, students may not earn duplicative degrees (example – Bachelor of Arts in Criminal Justice to Bachelor of Science in Criminal Justice or vice versa or Masters in Business Administration-General concentration to Masters in Business Administration- Accounting concentration or vice versa).

## Student Rights and Responsibilities

An academic community is based on personal integrity and respect for others. APUS follows the letter and spirit of applicable federal and state laws pertaining to the administration of an institution of higher education (e.g., laws governing student records, equal opportunity, etc.) and adheres to the guidelines published by appropriate professional groups with respect to admissions procedures, required credentials of faculty, and business ethics. Information regarding student right and responsibilities, including appeals processes, can be found in the Student Handbook (<https://www.apu.apus.edu/student-handbook/university-policies-and-code-of-conduct/apus-student-code-of-conduct>).

## Student Engagement in Classes

Effective April 1, 2015, students who receive failing grades in their first two (2) course attempts in their program as a result of not submitting a substantial percentage of the required course work will be dismissed from the university at the conclusion of those courses. This applies to students who fail all of their initial courses as a result of not submitting substantial course work to earn a passing grade. Students who apply for a program change (i.e. Associates to Bachelors, Bachelor's to Masters, and so on) will also need to pass their first two courses in their new program to be considered in compliance with the Student Activity Policy.

If you have ongoing courses in your current academic semester when you fail your initial courses, you will be placed on Deferred Involuntary Withdrawal status and allowed to complete any current courses that are beyond the first week, though any future course registrations will be dropped.

More information regarding student right and responsibilities, including appeals processes, can be found in the Student Handbook (<https://www.apu.apus.edu/student-handbook/university-policies-and-code-of-conduct/apus-student-code-of-conduct>).

# Technology Requirements

The following outlines minimum technology requirements for course work at American Public University System (APUS). Some programs require additional software, as stated in the course.

## Basic Requirements

- Internet access (high speed preferred)
- For desktop computers: Windows 10 or higher or Mac OS X 10.15 Catalina or higher
- For Tablets or Mobile devices: iOS 11.0 or higher; Android 5.0 or later
- Access to university email and Office365 requires multi-factor authentication. Students and faculty must verify their logins through either a text message, automated voice call, or the Microsoft Authenticator app
- Microphone, speakers or headset
- Webcam
- Access to a printer
- 4 GB of RAM
- 20 GB of free disk space

IMPORTANT NOTE: Chromebooks (Chrome OS), iPads (iOS) and Microsoft Surface RTS do not meet the minimum requirements for coursework at AMU/APU. These offer limited functionality and do not work with some course technologies. They are not acceptable as the only device you use for coursework. While these devices are convenient and may be utilized for some course functions they cannot be your primary device.

## Software Requirements

As a general rule, it is best practice to stay current or within one version of your Web browser, and Mobile OS.

- For desktop computers: Current version of Google Chrome, Firefox, Apple Safari or Microsoft Edge
- For Tablets and Mobile Devices:
  - Apple iOS for iPhone and iPad: Apple Safari
  - Android OS for Android phones and tablets: Google Chrome
- Current version of the Java Plug-in
- Current version of Adobe Acrobat Reader
- Current anti-virus software regularly updated by the manufacturer
- All faculty and students will be given an Office 365 account which includes your school email, used for private communication in the classroom, and access to Microsoft Office in the cloud (Word, Excel, PowerPoint and OneDrive).

# University General Grievance Procedure

For information on American Public University System's Title IX Grievance and general university grievance procedures, please refer to our Student Handbook (<https://www.apus.edu/student-handbook/university-policies-and-code-of-conduct/apus-consumer-information/university-general-grievance-procedure.html>).

# Catalog Changes

This publication is not a contract between American Public University System and any party or parties, and should not be regarded as such. At the date of publication, reasonable effort was made to ensure that this publication and its provisions were factually accurate. However, this publication is not a complete statement of all policies, procedures, and program information.

APUS reserves the right to make changes and additions to the information in this publication without notice. In cases where significant modification or discontinuation of a program occurs, students can expect to be contacted by a University System university staff member to discuss and resolve the matter with the students' interests in mind. Addenda can be found [here](#).

## Academic Schools

The program you choose and the courses you take must be relevant to your career interests and today's marketplace. That's why our academic leaders meet regularly with hundreds of industry experts to help shape our curriculum. Most of our faculty members are scholar-practitioners, serving in leadership roles in their respective disciplines. You'll find them speaking at highly respected industry conferences, sharing expert insights on our blogs, conducting research that's specific to their disciplines, and working with respected academic and corporate partners to share knowledge and achieve innovative advancements in their fields. As a student, you get to regularly engage in online forums and communities with these influential experts as well as with other students who share your interests. Offering quality online education programs is priority one at American Military University and American Public University.

# School of Arts, Humanities & Education

The School of Arts, Humanities, and Education teaches foundational skills needed in the professional world. These skills include collaboration, critical thinking, problem-solving, and written and oral communication. Our General Education courses provide a broad-based education in literature, languages, and social sciences. Degree programs provide a good foundation for a wide variety of professional interests. Undergraduate programs include English, Sociology, Psychology, and Communications; Masters' Programs provide deeper, more specialized knowledge in several fields, including Psychology, Sociology, and History.

## School Leadership

### Dean

Dr. Anthony Garibay

### Associate Dean

Dr. Bethanie Hansen (Interim)

## Department Chairs

**Anthropology and Sociology** – Dr. Stacey Tucker

**Communication and World Languages** – Dr. Bjorn Mercer

**Educational Leadership and Student Life** – Dr. Jeffrey Stone

**English and Literature** – Dr. Jaclyn Fowler

**History** – Dr. Richard Hines

**Human Development and Family Studies** – Kathleen Mangeri

**Psychology** – Dr. Tonia Parker

**Religion, Philosophy, Art, and Music** – Dr. Steve Wyre (Interim)

**Teaching** – Dr. Kathleen Tate

## Assistant Department Chairs

**Psychology** – Dr. Rachel Cain

## Associates

- *Communication* (p. 80)
- *Early Childhood Care and Education* (p. 92)
- *History* (p. 96)
- *Interdisciplinary Studies*
- *Military History* (p. 109)



## Bachelors

- *Communication*
- *English* (p. 207)
- *History* (p. 228)
- *Human Development and Family Studies* (p. 249)
- *Interdisciplinary Studies*
- *Military History* (p. 304)
- *Philosophy* (p. 311)
- *Psychology* (p. 324)
- *Religion* (p. 329)
- *Sociology* (p. 356)

## Certificates

- *Child Life*
- *Family Studies* (p. 574)
- *Infant and Toddler Care* (p. 581)
- *Instructional Design and Delivery* (p. 584)

## Minors

- *American Military History* (p. 533)
- *Child Development* (p. 543)
- *English* (p. 544)
- *Family Development* (p. 545)
- *History* (p. 546)
- *Military History* (p. 552)
- *Philosophy* (p. 553)
- *Psychology* (p. 554)
- *Religion* (p. 555)
- *Sociology* (p. 557)

# Dr. Wallace E. Boston School of Business

The mission of the Dr. Wallace E. Boston School of Business is to prepare students to be principled leaders in the global business community through a flexible learning environment that leverages technology. We have developed a well-rounded curriculum that examines business and economics in a global context focused on the practical application of knowledge through case studies, simulations, and best practices. Our programs are taught by real-world practitioners and scholars who provide an engaging learning journey, enhanced by their professional experience. Our top priority is your success. The School honors the legacy of President Emeritus Dr. Wallace E. Boston, who retired as the University's president in June 2020. A pioneer of affordable and flexible online education, Dr. Boston developed his business acumen as a CFO, CEO, and COO of several major health organizations. It is his commitment to student access and success that drives the learning experience throughout this School and the University.

## School Leadership

### Dean

Dr. Jeremi Bauer

### Associate Dean

Dr. Stacey Little

## Department Chairs

- **Accounting** - Dr. Ken McGee
- **Analytics, Economics, and Finance** – Dr. Robert Gordon
- **Business Administration and Real Estate** – Dr. Michael Marticek
- **Entrepreneurship, Marketing, and Retail Management** – Dr. Kerry Szymanski
- **Human Resource Management** – Dr. Cynthia Gentile
- **Management, Technical Management, and Not-for-Profit Management** – Dr. Jan Spencer
- **MBA and Hospitality Management** – Dr. Juan Hernandez
- **Supply Chain Management, Government Contracting & Acquisitions, Reverse Logistics Management, Transportation & Logistics Management**– Dr. Larry Parker

## Associates

- *Accounting* (p. 125)
- *Administration*
- *Business Administration* (p. 76)
- *Culinary and Foodservice Management*
- *Hospitality* (p. 100)
- *Management* (p. 71)
- *Real Estate Studies* (p. 113)
- *Supply Chain Management*
- *Technical Management* (p. 68)

## Bachelors

- *Accounting* (p. 396)
- *Business*
- *Business Administration* (p. 378)
- *Business Analytics* (p. 402)
- *Entrepreneurship* (p. 215)
- *Government Contracting and Acquisition* (p. 223)
- *Hospitality Management* (p. 242)
- *Human Resource Management*
- *Management* (p. 287)
- *Marketing* (p. 297)
- *Retail Management* (p. 335)
- *Reverse Logistics Management* (p. 342)
- *Supply Chain Management*
- *Technical Management* (p. 171)
- *Transportation and Logistics Management* (p. 371)

## Certificates

- *Employee Relations and Engagement*
- *Human Resource Management* (p. 580)
- *Real Estate Management* (p. 597)
- *Restaurant Operations* (p. 599)
- *Strategic Leadership* (p. 603)

## Minors

- *Business Administration* (p. 542)
- *Management* (p. 550)
- *Marketing* (p. 551)

# School of Health Sciences

The School of Health Sciences is dedicated to helping prepare our students for the healthcare, nursing, exercise and fitness, and overall public health industries. Our engaging, interactive learning environment blends theory, research, and practical application to give our students a competitive advantage. Because our faculty are practitioners and experts in their subjects, they can tap in to the real-world resources students need to stay current and relevant in a rapidly changing industry.

## School Leadership

### Dean

Dr. Brian Freeland

### Associate Dean

Dr. Jackie Galvan (Interim)

## Department Chairs

**Healthcare Administration** – Dr. Meagan Wilson

**Health Information Management** – Keechia Ross

**Nursing** – Dr. Tonya Breymier

**Public Health** - Dr. Samer Koutoubi

**Sports and Health Sciences** - Dr. Karyn Gallivan

**Sports Management** - Dr. Brittany Jacobs

## Associates

- *Health Sciences* (p. 64)
- *Public Health* (p. 150)

## Bachelors

- *Esports*
- *Healthcare Administration*
- *Health Information Management* (p. 460)
- *Health Sciences*
- *Nursing* (p. 503)
- *Public Health* (p. 508)
- *Sports and Health Sciences* (p. 521)
- *Sports Management* (p. 528)

## Certificates

- *Pre-Health*

## Minors

- None

# School of Science, Technology, Engineering & Math

Space programs, environmental programs, electrical engineering, cybersecurity, natural science, mathematics, information technology — the School of Science, Technology, Engineering & Math (STEM) provides learning in a wide variety of disciplines. Our faculty consists of expert practitioners from the field, so our students don't just get armchair treatment. In every STEM program, we help students prepare for careers applicable to that program. You will receive practical, usable foundational materials that will help you build the groundwork to establish yourself in a professional setting.

## School Leadership

### Dean

Dr. Brian Freeland

### Associate Dean

Dr. Jackie Galvan (Interim)

## Department Chairs

**Biology and Chemistry** – Dr. Randal Streck

**Data and Computer Sciences** – Dr. Frank Appiah

**Earth and Space Studies** – Dr. Edward Albin

**Environmental Science and General Education Science** – Dr. Sylvia Nemmers

**General Education Math** – Dr. Jackie Galvan

**Information and Computer Technology** – Dr. Novadean Watson-Williams

**Physics, Electrical Engineering, and Mathematics** – Dr. Laura Kraya

## Associates

- *Computer Technology*
- *Data Science*
- *Space Studies*

## Bachelors

- *Computer Science (BA)*
- *Computer Science (BS)*
- *Computer Technology*
- *Data Science*
- *Engineering, Engineering: Electrical Engineering*
- *Environmental Science* (p. 444)
- *Information Technology* (p. 473)
- *Information Technology Management* (p. 479)

- *Mathematics* (p. 492)
- *Natural Sciences* (p. 498)
- *Space Studies* (p. 515)

## Certificates

- *Computer Systems and Networks* (p. 563)
- *Digital Forensics* (p. 567)
- *E-Commerce* (p. 568)
- *Enterprise Web Applications* (p. 571)
- *Fish and Wildlife Management* (p. 576)
- *Information Security Planning*
- *Information Systems Security Essentials*
- *Internet Webmaster* (p. 586)
- *IT Infrastructure Security* (p. 587)
- *IT Project Management Essentials* (p. 588)
- *Microsoft Office Applications* (p. 592)
- *Public Lands Management* (p. 596)
- *Space Studies* (p. 602)
- *Visual Communications* (p. 609)

## Minors

- *Sustainability Studies* (p. 558)

## NanoCerts®

- *Introduction to IT Project Management*
- *Introduction to Mobile Computing*
- *Mobile Security*

## Suspended Programs

- *Undergraduate Certificate in Cloud Computing* (Effective 4/9/2024)
- *Undergraduate Certificate in Enterprise Web Applications using .NET* (Effective 4/9/2024)

# School of Security & Global Studies

The programs taught in the School of Security & Global Studies truly embody our motto, "Educating Those Who Serve." Students in this school have an understanding of the world that appreciates the differences in political, economic, and social cultures. Our faculty members are highly credentialed and respected leaders in their fields, and many of them currently work in the U.S. government. Likewise, our graduates are employed in leadership positions at agencies ranging from the Departments of State, Defense, and Homeland Security to the intelligence services, as well as private businesses throughout the world. We are committed to helping students think in ways they haven't thought before, and to apply educational theories to real-world challenges.

## School Leadership

### Dean

Dr. Juliette Rouge

### Associate Dean

Dr. Michelle Watts

## Department Chairs

**Cybersecurity** – Dr. Andre Slonopas

**Human Justice** – Dr. Charles Russo

**Emergency Management** – Dr. Terri Wilkin

**Intelligence** – Dr. James Burch

**Global Security** – Dr. Katherine Brannum

**Legal Studies** – Dr. Kerry Erisman

**National Security** – Dr. Kelli Frakes

**Political and Military Science** – Dr. Thomas Kelly

**Public Administration and Security Management** – TBD

## Assistant Department Chairs

**Intelligence** – Dr. David Kritz

## Associates

- *Counter Terrorism Studies* (p. 84)
- *Criminal Justice* (p. 88)
- *Cybersecurity*
- *Fire Science* (p. 142)



- *Legal Studies*
- *Weapons of Mass Destruction Preparedness* (p. 121)

## Bachelors

- *Criminal Justice (BA)* (p. 194)
- *Criminal Justice (BS)* (p. 424)
- *Cybersecurity* (p. 430)
- *Emergency and Disaster Management* (p. 201)
- *Fire Science Management* (p. 455)
- *Homeland Security* (p. 237)
- *Intelligence Studies* (p. 260)
- *International Relations and Global Security*
- *Legal Studies* (p. 484)
- *Political Science* (p. 317)
- *Security Management* (p. 349)

## Certificates

- *Counterintelligence* (p. 564)
- *Cybercrime Essentials* (p. 565)
- *Cybersecurity* (p. 566)
- *Emergency Management* (p. 569)
- *Explosive Ordnance Disposal* (p. 573)
- *Fire Science* (p. 575)
- *Forensics* (p. 577)
- *Government Agency Administration*
- *Homeland Security* (p. 579)
- *Intelligence Analysis* (p. 585)
- *Law Enforcement Leadership* (p. 589)
- *Paralegal Studies* (p. 594)
- *Security Management* (p. 601)
- *Terrorism Studies* (p. 606)

## Minors

- *Area Studies-Asia* (p. 534)
- *Area Studies-Europe* (p. 536)
- *Area Studies-Latin America* (p. 538)
- *Area Studies-Middle East* (p. 540)
- *Intelligence Studies* (p. 548)
- *International Relations* (p. 549)
- *Security Management* (p. 556)

## NanoCerts®

- *Counterintelligence*
- *Criminal Intelligence*
- *Cyber Intelligence*
- *Cybersecurity/Cybercrime*
- *Geospatial Intelligence*
- *Intelligence Analysis*
- *Open-Source Intelligence (OSINT)*
- *School and Campus Security Fundamentals*
- *Terrorism*
- *U.S. Government Security Fundamentals*

## Suspended Programs

- *Undergraduate Certificate in Foundations of Homeland Security (Effective 4/9/2024)*

# Faculty

A most distinguished and diversified faculty of over 2,200 scholars, educators, and authors combine relevant theory with real-world experience. Many are executives in government, business, and non-profit organizations, including the United Nations, the State Department, the Department of Defense, the Department of Homeland Security, the Central Intelligence Agency, the National Security Agency, and the Federal Emergency Management Agency.

## Provost

- Elizabeth Johnson, Ph.D. Plant and Soil Science, University of Massachusetts, Amherst

## Academic Leadership

- **Vice Provost, Student & Alumni Engagement** - Caroline Simpson, M.A., Management, American Public University
- **Vice Provost, University Registrar** - Michelle Newman, Ph.D., Management, Walden University
- **Dean, The Center for Teaching and Learning; Associate Dean, Faculty and Student Success** - Kimberly Jacobs, Ph.D., Postsecondary and Adult Education, Capella University
- **Dean, School of Arts, Humanities, and Education** - Anthony Garibay, Ed. D. Educational Leadership, DePaul University
- **Associate Dean, School of Arts, Humanities, and Education** - (Interim) Bethanie Hansen, D.M.A., Music Education, Boston University
- **Dean, Dr. Wallace E. Boston School of Business** - Jeremi Bauer, D.B.A, B2B Marketing, Change Leadership, and Finance, Walden University
- **Associate Dean, Dr. Wallace E. Boston School of Business** - Stacey Little, Ph.D., Global Leadership - Organizational Management, Indiana Institute of Technology
- **Dean, School of Health Sciences** - Brian Freeland, Ed.D., Sports Management and Leadership, Northcentral University
- **Associate Dean, School of Health Sciences** - (Interim) Jackie Galvan, Ph.D., Business Administration - Management Information Systems, Northcentral University
- **Dean, School of Science, Technology, Engineering, and Math** - (Interim) Brian Freeland, Ed.D., Sports Management and Leadership, Northcentral University
- **Associate Dean, School of Science, Technology, Engineering, and Math** – (Interim) Jackie Galvan, Ph.D., Business Administration - Management Information Systems, Northcentral University
- **Dean, School of Security and Global Studies** - Juliette Rouge, Ph.D., Conflict Analysis & Resolution, George Mason University
- **Associate Dean, School of Security and Global Studies** - Michelle Watts, Ph.D., International Development, University of Mississippi
- **Dean, Research and Academic Excellence** – Lori Woeste, Ed.D., Curriculum & Instruction, Illinois State University
- **Dean, Academic Outreach and Program Development** - Chris Reynolds, Ed.D., Educational Leadership, Argosy University

## Department Chairs

- **Accounting** – Ken McGee, D.B.A, Finance, Anderson University
- **Analytics, Economics, and Finance** – Robert Gordon (Interim), D.Mgt, Management, University of Phoenix
- **Biology and Chemistry** – Randal Streck, Ph.D., Molecular Biology, University of California, Berkeley
- **Business Administration and Real Estate** – Michael Marticek, D.B.A Business Administration - Information Systems Management, Walden University
- **Communication and World Languages** - Bjorn Mercer, D.M.A., Music, The University of Arizona
- **Cybersecurity** – Andre Slonopas, Ph.D., Mechanical and Aerospace Engineering, University of Virginia
- **Data and Computational Technologies** - Frank Appiah, Ph.D., Epidemiology and Biostatistics, University of Kentucky
- **Earth and Space Studies** - Edward Albin, Ph.D., Planetary Geology, The University of Georgia
- **Educational Leadership and Student Life** - Jeffrey Stone, Ph.D., Education, University of Kansas

- **Emergency Management** - Terri Wilkin, J.D., Law, University of Maryland-Baltimore
- **English and Literature** - Jaclyn Fowler, Ed.D., Adult Education, The Pennsylvania State University
- **Entrepreneurship, Marketing, and Retail Management** – Kerry Szymanski, D.B.A., Business Administration, Argosy University
- **Environmental Science** - Sylvia Nemmers, Ph.D. Plant and Environmental Sciences, New Mexico State University
- **General Education Math** - Jackie Galvan, Ph.D., Business Administration - Management Information Systems, Northcentral University
- **General Education Science** – Sylvia Nemmers, Ph.D. Plant and Environmental Sciences, New Mexico State University
- **Global Security** - Katherine Brannum, Ph.D., Political Science, University of Massachusetts Amherst
- **Healthcare Administration** - Meagan Wilson, M.H.A, Health Administration, University of Phoenix
- **Health Information Management** - Keechia Ross, MBA., Health Care Administration, Western Governors University
- **History** - Richard Hines, Ph.D., History, Washington State University
- **Human Development and Family Studies** - Kathleen Mangeri, M.A., Student Personnel Services, Trenton State College
- **Human Justice** - Charles Russo, Ph.D., Public Affairs, University of Central Florida
- **Human Resource Management** – Cynthia Gentile, J.D., Law, The State University of New Jersey
- **Information and Computer Technologies** - Novadean Watson-Williams, D.B.A., Information Systems, Argosy University
- **Intelligence** – James Burch, Ph.D., Homeland Security, Management, Colorado Technical University
- **Legal Studies** - Kerry Erisman, J.D., Law, Temple University
- **Management, Technical Management, and Not for Profit Management** – Jan Spencer, Ph.D., Organizational Leadership, Regent University
- **MBA and Hospitality Management** – Juan Hernandez, Ph.D, Organization and Management, Capella University
- **National Security** - Kelli Frakes, Ph.D., Public Policy and Administration, Walden University
- **Nursing** - Tonya Breymer, Ph.D., Human Services, Capella University
- **Physics, Electrical Engineering, and Mathematics** - Laura Kraya, Ph.D., Materials Science and Engineering, University of Pennsylvania
- **Political and Military Science** - Thomas Kelly, Ph.D., Political Science, University of Illinois at Chicago
- **Psychology** - Tonia Parker, Ph.D., Psychology - General Psychology, Capella University
- **Public Administration and Security Management** - TBD
- **Public Health** - Samer Koutoubi, Ph.D., Dietetics and Nutrition, Florida International University, M.D., Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca, Romania
- **Religion, Philosophy, Art, and Music** – (Interim) Steve Wyre, Doctorate of Education Leadership, University of Phoenix
- **Sociology, Anthropology, and General Studies** - Stacey Tucker, Ph.D., Sociology, The University of Tennessee
- **Sports and Health Sciences** - Karyn Gallivan, Ph.D., Public Health, Walden University
- **Sports Management** - Brittany Jacobs, Ph.D., Sports and Exercise Science, University of Northern Colorado
- **Supply Chain Management, Government Contracting & Acquisitions, Reverse Logistics Management, Transportation & Logistics Management** – Larry Parker Jr., Ph.D., Organization and Management, Capella University
- **Teaching** - Kathleen Tate, Ph.D., Elementary Education, Florida State University

## Assistant Department Chairs

- **Intelligence** - David Kritz, D.B.A., Business Administration, Walden University
- **Psychology** - Rachel Cain, Ph.D., Psychology, The University of Alabama

Faculty List (<http://www.apu.apus.edu/academic/faculty-directory.html>)

# Academic Programs

## About Academic Programs

The American Public University System offers several options for undergraduate study: associate degrees, bachelor's degrees, undergraduate certificates, minors, and NanoCerts®. All degree programs include a general education component. Associate degree programs require a minimum of 60 semester hours which must be completed within seven (7) years of the students' first enrollment date. Bachelor's degree programs require a minimum of 120 semester hours. Students are allowed ten (10) years from the date of first enrollment to complete a bachelor's degree. Bachelors' programs include general education, major and elective requirements; many offer an opportunity to focus on a specific area of concentration.

## Program Completion Rates, Median Debt, and More

For more about the completion rates and median debt of students who completed each program, as well as other important information—visit [www.APUS.edu/disclosure](http://www.APUS.edu/disclosure) (<http://www.apus.edu/disclosure>).

## Associate Programs

Associate degree programs are ideal if you seek a two-year program as either your final degree in higher education or the foundation for further study at the bachelor's level. The Interdisciplinary Studies associate degree is designed to provide a solid foundation for further academic achievement. Discipline-specific associate degrees provide you with an opportunity to focus on courses that develop knowledge, skills, and abilities that are readily applicable to personal or professional interests. All associate degrees require a minimum of 60 semester hours and a 2.0 GPA for graduation.

### Associate of Arts

- *Business Administration* (p. 76)
- *Communication* (p. 80)
- *Counter Terrorism Studies* (p. 84)
- *Criminal Justice* (p. 88)
- *Early Childhood Care and Education* (p. 92)
- *History* (p. 96)
- *Hospitality* (p. 100)
- *Interdisciplinary Studies*
- *Management* (p. 71)
- *Military History* (p. 109)
- *Real Estate Studies* (p. 113)
- *Supply Chain Management*
- *Weapons of Mass Destruction Preparedness* (p. 121)

### Associate of Science

- *Accounting* (p. 125)
- *Computer Technology* (p. 130)
- *Cybersecurity*
- *Data Science*
- *Fire Science* (p. 142)
- *Legal Studies*
- *Public Health* (p. 150)
- *Space Studies*

### Associate of Applied Science

- *Administration*
- *Culinary and Foodservice Management*
- *Health Sciences* (p. 64)
- *Technical Management* (p. 68)

# Associate of Applied Science in Administration

The Associate of Applied Science in Administration will strengthen the student's understanding of administration functions such as supervision, human relations, human resource management, and management information systems. The program is specifically designed to help students identify administration roles and opportunities, as well as provide support to management within different organizations. This degree is designed to build upon prior education, work, or military experience.

## Degree Program Objectives

Upon successful completion of this program, the student will be able to:

- Apply the basic principles of administration management.
- Demonstrate skills in supervision, human resource management, human relations and management information systems.
- Solve administration management problems through case study scenarios.
- Model strong problem-solving, administrative, and communication skills.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	15
	Major Required	27
	Elective Requirements	18
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (15 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (3 semester hours) <sup>1</sup></b>		
Select 1 course from the following:		3
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	

LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (3 semester hours) <sup>1</sup>**

Select 1 course from the following:

3

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL112	Planning Your Future with Purpose in Business
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
ECON201	Microeconomics for Business
ECON202	Macroeconomics for Business
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology



SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (3 semester hours)</b>		
ENGL110	Making Writing Relevant	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT100	Accounting I	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Total Semester Hours		15

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Requirements (27 semester hours)

Code	Title	Semester Hours
ACCT105	Accounting for Non Accounting Majors	3
MGMT100	Human Relations	3
MGMT101	Principles of Supervision	3
MGMT200	Ethics Fundamentals	3
MGMT201	Organizational Fundamentals	3
MGMT310	Principles and Theory of Management	3
HRMT200	Human Resource Fundamentals	3
INFO331	Management Information Systems	3
Select 1 course from the following:		3
BUSN250	Analytics I	

BUSN333	Project Management for Business Analysts	
HRMT201	Employee Training and Development	
HRMT412	Compensation and Benefits	
HRMT413	Employment and Labor Relations	
Total Semester Hours		27

## Elective Requirements (18 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		18
Total Semester Hours		18

# Associate of Applied Science in Culinary and Foodservice Management

The AAS in Culinary and Foodservice Management program combines practical culinary experience students gained serving in the U.S. military, or through formal culinary training, with theory and knowledge related to foodservice operations management.

Students will complete coursework related to foodservice sanitation, foodservice operations, purchasing, cost controls, nutrition in foodservice, and facilities design. This knowledge will complement the skills acquired through employment to help prepare students with professional interests in culinary arts or foodservice management.

This program has specific admission requirements.

## Degree Program Objectives

Upon successful completion of this program, the student will be able to:

- Demonstrate food safety practices that will ensure safe food production from purchase to service.
- Demonstrate application of theory and concepts as they relate to the various responsibilities of a foodservice manager.
- Implement strategies to effectively manage and improve restaurant performance, based on operational theory and procedures.
- Apply strategic management principles to accomplish goals and objectives of hospitality operations.

## Programmatic Admission Requirements

This program is designed for students who have practical professional culinary arts experience and training. *Culinary experience is required.* Such experience could include:

- JST with Culinary Specialist MOS or Foodservice Specialist MOS
- CCAF Services Specialist AFSC with documented culinary training
- High school diploma with culinary certificate, credential, or badge
- Community college or culinary school culinary certificate
- Resume/CV with 5 years of experience in the civilian food service or culinary job markets; applicable titles could include, but are not necessarily limited to: sous chef, line cook, prep cook, chef de partie, tournant, grill cook, junior cook

Please visit our AMU (<https://www.amu.apus.edu/admissions/undergraduate-requirements.html>) or APU (<https://www.apu.apus.edu/admissions/undergraduate-requirements.html>) undergraduate admission page for more information on institutional admission requirements.

## Need help?

If you have questions regarding a program's admission requirements, please contact an Admissions Coach at 877-755-2787 or [info@apus.edu](mailto:info@apus.edu).

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	15
	Major Required	24
	Final Program Requirements	3
	Elective Requirements	18
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (15 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (3 semester hours) <sup>1</sup></b>		
	Select 1 course from the following:	3
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	

RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (3 semester hours) <sup>1</sup>**

Select 1 course from the following:

3

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL112	Planning Your Future with Purpose in Business
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
ECON201	Microeconomics for Business
ECON202	Macroeconomics for Business
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (3 semester hours)**

ENGL110	Making Writing Relevant	3
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**History (3 semester hours)**

Select 1 course from the following:

3

HIST101	American History to 1877
HIST102	American History since 1877
HIST111	World Civilization before 1650
HIST112	World Civilization since 1650
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877
HIST222	African-American History since 1877
HIST223	History of the American Indian

HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT100	Accounting I	
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
Total Semester Hours		15

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Requirements (24 semester hours)

Code	Title	Semester Hours
HOSP100	Introduction to Hospitality Management	3
HOSP101	Foodservice Sanitation	3
HOSP200	Food and Beverage Management	3
HOSP202	Quantity Food Preparation	3
HOSP203	Hotel and Restaurant Purchasing	3
HOSP207	Principles of Cost Control in Foodservice Operations	3
HOSP304	Nutrition in the Food Service Industry	3
MGMT101	Principles of Supervision	3
Total Semester Hours		24

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
HOSP295	Restaurant Operations Seminar <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> To be taken as the last course before graduation.

## Elective Requirements (18 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		18
Total Semester Hours		18

# Associate of Applied Science in Health Sciences

The Associate of Applied Science in Health Sciences is designed for students interested in or currently working in the rapidly growing healthcare industry, and for those who have completed military training in the medical and health Sciences. This program offers you the opportunity to gain basic general education and earn college credits to complement your medical knowledge and healthcare training. This AAS degree is ideal for students with an interest in a variety of healthcare careers; including medical assistants, laboratory technicians, dental assistants, nursing, and numerous other careers within the healthcare industry.

Note: Students that receive transfer credit for the Army Health Care Specialist (68W10), Navy Hospital Corpsman (B-300-0010/HM-0000), or Air Force Aerospace Medical Service Apprentice (L8AQJ4N031 01AA) course will NOT be awarded any additional transfer credit for National Registry for Emergency Medical Technician (NREMT®) Basic certification. The NREMT- Basic certification is considered duplicate regardless of certification date and location of military training.

*The National Registry for Emergency Medical Technician (NREMT®) Basic certification is a registered trademark of the National Registry of Emergency Medical Technicians.*

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply learning practices from health sciences training to associate degree level education courses.
- Demonstrate effective verbal and written communication skills.
- Integrate concepts from military health sciences training with broader general education knowledge acquired at APUS.
- Demonstrate a commitment to learning and broadening skills for increased responsibility in military medical services.
- Demonstrate interest in pursuing higher learning opportunities generated by successful completion of the Associate in Applied Science degree.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	15
	Major Required	28
	Elective Requirements	17
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (15 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (3 semester hours) <sup>1</sup></b>		
Select 1 course from the following:		3
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	



ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically
<b>Civics, Political and Social Sciences (3 semester hours) <sup>1</sup></b>	

Select 1 course from the following:

3

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL113	Planning Your Future with Purpose in Health Sciences
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I

PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (3 semester hours)</b>		
ENGL110	Making Writing Relevant	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH225	Calculus	
Total Semester Hours		15

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Requirements (28 semester hours)

Military health-related courses, completed at the Medical Education and Training Campus (METC), Ft. Sam Houston, TX. Up to all 28 semester hours can be transferred based on METC course completion.

Students that receive transfer credit for the Army Health Care Specialist (68W10), Navy Hospital Corpsman (B-300-0010/HM-0000), or Air Force Aerospace Medical Service Apprentice (L8AQJ4N031 01AA) course will **not** be awarded any additional transfer credit for National Registry for Emergency Medical Technician (NREMT) Basic certification. The NREMT- Basic certification is considered duplicate regardless of certification date and location of military training.

And select from the following APUS courses to fulfill any of the 28 semester hours remaining:

Code	Title	Semester Hours
BIOL133	General Biology I with Lab	4
BIOL134	General Biology II with Lab	4

CHEM133	General Chemistry I with Lab	4
BIOL250	Human Anatomy and Physiology with Lab I	4
PHYS133	Elements of Physics I with Lab	4
BIOL202	Principles of Microbiology with Lab	4
SCIN211	Principles of Genetics with Lab	4
Total Semester Hours		28

## Elective Requirements (17 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		17
Total Semester Hours		17

# Associate of Applied Science in Technical Management

The Associate of Applied Science in Technical Management is designed to enable students to build upon prior education and work experience gained through a community college or military technical courses/occupations. In this AAS degree, students will explore management, business, and planning functions through an analytical approach. Students will also focus on development concepts and the latest technologies to improve their technical expertise in design and systems integration.

In the courses for this associate program, students will examine leadership and management motivational models, theories, and concepts as they relate to developing a healthy culture and successful workforce within a technical environment. Students will also analyze and interpret data obtained via analytical approaches.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Examine leadership and management motivational models, theories, and concepts as they relate to developing a healthy culture and successful workforce within a technical environment.
- Evaluate complex developmental concepts and latest technologies.
- Develop technical expertise in design, development, and integration of systems.
- Analyze and interpret data obtained via analytical approaches.

<sup>1</sup> Students enrolled in the Associate of Applied Science in Technical Management program will have to apply for the awarding of the Certificate in Technical Management

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	15
	Major Required	16
	Select one of the following concentrations:	12
	General Concentration (p. 69)	
	Utilities Management (p. 70)	
	Elective Requirements	17
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (15 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (3 semester hours)</b> <sup>1</sup>		
PHIL110	Critical Thinking	3
<b>Civics, Political and Social Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
POLS210	American Government I (General Concentration)	
POLS101	Introduction to Political Science (Utilities Management Concentration)	
<b>Communication: Writing, Oral, and Multimedia (3 semester hours)</b>		
ENGL110	Making Writing Relevant	3
<b>History (3 semester hours)</b>		
HIST270	History of Science	3
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
MATH110	College Algebra (General Concentration)	
MATH125	Math for Liberal Arts Majors (Utilities Management Concentration)	
Total Semester Hours		15

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

### Major Required (16 semester hours)

Code	Title	Semester Hours
BUSN100	Basics of Business	3
MGMT101	Principles of Supervision	3
ACCT105	Accounting for Non Accounting Majors	3
EDMG220	Emergency Planning	3
Select 1 course from the following:		4
SCIN130	Introduction to Biology with Lab	
SCIN140	Introduction to Environmental Science with Lab	
Total Semester Hours		16

### General Concentration (12 semester hours)

The General concentration for this degree is designed to help technical trade students acquire the knowledge that is often needed when transitioning from a field lead to a front-line supervisor.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze and interpret data obtained using analytical approaches.
- Compare various theories in management, leadership, and motivation.
- Define features of the legal environment applicable to supervisory roles in the technical field.

Code	Title	Semester Hours
MGMT310	Principles and Theory of Management	3
MGMT312	Leadership & Motivation	3
BUSN250	Analytics I	3
BUSN311	Law and Ethics in the Business Environment	3
Total Semester Hours		12

## Utilities Management Concentration (12 semester hours)

The Utilities Management concentration is designed to support those in career technical trades transition from a field lead to a frontline supervisor. Students will take courses in project management, ethics, analytics, and budgeting.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine how to motivate and lead in a utility's environment using management models, theories, and concepts.
- Analyze and interpret data from the utilities sector using analytical approaches.
- Explain ethical situations and solutions related to utilities management.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
POLS301	Ethics in Politics	3
BUSN250	Analytics I	3
BUSN333	Project Management for Business Analysts	3
FINC405	Budget Development and Execution	3
Total Semester Hours		12

## Elective Requirements (17 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		17
Total Semester Hours		17

# Associate of Arts in Management

Our Associate of Arts in Management introduces you to the theoretical concepts and practical applications needed to effectively lead and manage a workforce, with a focus on either human resources or retail management. This associate degree program seeks to expand your academic and professional development by providing the practical skills often required for entry-level supervisory positions and responsibilities in business or government environments. Knowledge from this online associate program can also serve as a springboard to a bachelor's degree.

This program's curriculum is in alignment with Society for Human Resource Management (SHRM® (<http://www.shrm.org>)) standards. This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

SHRM® is a registered trademark of the Society for Human Resource Management.

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate critical thinking, problem solving and communication skills necessary to be a successful supervisor in a business environment.
- Explain key concepts, methods and practices for managing human capital in an organization.
- Compare and contrast ethical theories as they relate to organizational and individual behavior.
- Prepare a development program for a potential direct report.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	12
	Select one of the following Concentrations:	9
	Human Resources (p. 74)	
	Retail Management (p. 75)	
	Final Program Requirement	3
	Elective Requirements	6
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
	Select 2 course from the following:	6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	

ARTH240	Survey of Photography
ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 1 course from the following: 3

ECON101	Microeconomics
ECON102	Macroeconomics

Select 1 course from the following: 3

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL112	Planning Your Future with Purpose in Business
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON201	Microeconomics for Business
ECON202	Macroeconomics for Business
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness



IRLS210	International Relations I	
POLS210	American Government I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH120	Introduction to Statistics	3
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	

CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (12 semester hours)

Code	Title	Semester Hours
MGMT100	Human Relations	3
MGMT101	Principles of Supervision	3
MGMT200	Ethics Fundamentals	3
Select 1 course from the following:		3
MGMT201	Organizational Fundamentals	
RTMG150	Retail Organization Fundamentals	
Total Semester Hours		12

Students must choose a concentration for this degree program and may select from a Concentration in Human Resources or a Concentration in Retail Management.

## Concentration in Human Resources (9 semester hours)

This concentration is designed to offer a practical base of knowledge that prepares students to deal with the complexities and challenges of managing today's global workforce. Topics of study include recruitment, selection, team dynamics, ethics, performance management, compensation, benefits, labor and employee relations, and policy and records management.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Supervise people in the workforce environment.
- List the necessary steps to take in the recruiting, grievance and corrective action processes.
- Communicate an organization's mission, vision, goals and objectives to direct reports.
- Discuss the challenges that human resources face in modern organizations.
- Describe team-management skills with a focus on the group dynamics and ethics of an increasingly diverse workforce.

## Concentration Requirements (9 semester hours)

Code	Title	Semester Hours
HRMT200	Human Resource Fundamentals	3
HRMT201	Employee Training and Development	3

HRMT202	Interviewing Fundamentals	3
Total Semester Hours		9

## Concentration in Retail Management (9 semester hours)

This concentration provides students with practical skills and theoretical knowledge needed to become effective retail managers in the global environment. The program is designed to focus on interpersonal, managerial, human resource, leadership, communication, and critical thinking skills necessary to assess and evaluate retail management practices.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain the functions and applications of various retail management processes in the areas of store operations.
- Assess the needs of today's retail managers in the use of information technology, financial resources, and human resources in the retail workplace.
- Apply retail managerial concepts to issues impacting the effectiveness of retail managers in today's competitive and global organizations.
- Recognize the importance of ethical conduct, social responsibility, and corporate responsibility in the global retail environment.

### Concentration Requirements (9 semester hours)

Code	Title	Semester Hours
Select 3 courses from the following:		9
RTMG200	Customer Relations	
RTMG201	Retail Inventory Management	
RTMG202	Risk Management	
RTMG204	Finance Fundamentals	
Total Semester Hours		9

## Final Program Requirement (3 semester hours)

Code	Title	Semester Hours
MGMT296	Capstone: Portfolio <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Taken once all other requirements have been met.

## Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

# Associate of Arts in Business Administration

The online associate degree in Business Administration serves as a general introduction to education and business fundamentals and further develops the skills you may need for an entry-level position in business or government. You'll study basic finance, management, marketing, and leadership concepts while increasing your written communication and computer skills in this online program. You may also apply credits earned in this associate degree toward the completion of a business administration bachelor's degree or related business program.

This associate degree in Business Administration has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>). Skills gained in this program are helpful if you wish to pursue the Microsoft Office Specialist (MOS) Word 2013 certification.

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Use skills in oral and written communication as well as mathematics, relevant general education coursework, and specific business knowledge in the basics of accounting, economics, management, and marketing.
- Discuss the basic business principles and operations, including management, marketing, and finance.
- Apply critical thinking, problem solving, and team-building skills in a business management environment.
- Examine basic tools for managing in organizations based on a fundamental knowledge of both individual and organizational behavior.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	21
	Final Program Requirements	3
	Elective Requirements	6
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	

FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
ECON101	Microeconomics	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL112	Planning Your Future with Purpose in Business	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON102	Macroeconomics	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	

PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL226	Effective Business Communication	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH110	College Algebra	3
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

**Major Required (21 semester hours)**

Code	Title	Semester Hours
MGMT101	Principles of Supervision	3
BUSN100	Basics of Business	3
ACCT105	Accounting for Non Accounting Majors	3
MKTG201	Fundamentals of Marketing	3
ITMG371	Contemporary Internet Topics	3
BUSN235	Personal Finance	3
BUSN202	Leading in the Technology Age	3
Total Semester Hours		21

**Final Program Requirement (3 semester hours)**

Code	Title	Semester Hours
BUSN299	Applied Business Solutions	3
Total Semester Hours		3

**Elective Requirements (6 semester hours)**

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

# Associate of Arts in Communication

The Associate of Arts in Communication imparts the interpersonal and group communication skills required for success in all professions in today's technological, global, and diverse world. You'll learn effective public speaking techniques and how to develop compelling presentations, while studying communication history, theory, and ethics. This online associate degree provides a good foundation for those interested in the fields of journalism, marketing and public relations, business management, public policy, or corporate training. Knowledge gained from this associate degree can also serve as a springboard to a related baccalaureate degree.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the various theoretical models and separate parts of the communication process.
- Prepare and deliver a presentation appropriate to a selected communication setting or event.
- Articulate the issues relevant to interpersonal and/or intercultural communication.
- Apply relevant techniques to interpersonal and/or intercultural communication.
- Demonstrate knowledge of the history, models, theories, and concepts of mass communication.
- Demonstrate an understanding of the ethics of communication.
- Demonstrate an understanding of the dynamics and processes of small group communication.
- Demonstrate an understanding of the issues and dynamics of communication between genders.

## Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		18
Elective Requirements		12
Total Semester Hours		60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	



GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL111	Planning Your Future with Purpose in Humanities & Education
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems

SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
COMM285	Interpersonal Communications	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT100	Accounting I	
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	

BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines

Total Semester Hours	30
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<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (18 semester hours)

Code	Title	Semester Hours
COMM101	Introduction to Communication	3
COMM200	Public Speaking	3
COMM211	Social Media and Society	3
COMM240	Intercultural Communication	3
COMM250	Mass Communication	3
COMM280	Ethics in Communication	3

Total Semester Hours	18
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## Elective Requirements (12 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		12
Total Semester Hours		12

# Associate of Arts in Counter Terrorism Studies

The Associate of Arts in Counter Terrorism Studies explores the origins and motivations for terrorism, and terrorist strategy and tactics. Terrorism presents real challenges to government and national security communities due to the many different domestic and international terrorist groups, each with their own leadership, motivations, political objectives, and tactics. The fact that these groups continue to evolve and mature in their capability means even greater challenges lay ahead for the U.S. military and government agencies involved in combating terrorism and in ensuring national security.

This online associate degree program offers you a greater understanding of the complexities of this field. Courses in this program are taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or other intelligence organizations.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Explore the theory and history of terrorism and political violence.
- Identify different domestic and international terrorist groups, their leadership, and their tactics.
- Recognize the motivations of terrorist leaders and their followers.
- Determine the evolving nature of domestic and international terrorism.
- Define government agencies involved in combating terrorism and in ensuring homeland security.
- Describe countermeasures available to U.S. agencies fighting terrorism.

## Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		24
Elective Requirements		6
Total Semester Hours		60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	

GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
CHFD220	Human Sexuality
COLL115	Planning Your Future with Purpose in Security & Global Studies
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology

SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	

CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines
Total Semester Hours	
30	

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (24 semester hours)

Code	Title	Semester Hours
HLSS154	Mind of a Terrorist	3
HLSS212	Chemical, Biological, and Radiological Hazards	3
HLSS302	Introduction to Homeland Security and Defense	3
HLSS320	Intelligence and Homeland Security	3
HLSS322	Homeland Security Legal and Ethical Issues	3
HLSS323	Homegrown Violent Extremism	3
INTL450	Terrorism and Counterterrorism	3
SCMT319	Global Terrorism	3
Total Semester Hours		24

## Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

# Associate of Arts in Criminal Justice

The Associate of Arts in Criminal Justice offers you a basic foundation in criminal justice theory and concepts, legal issues, terrorism, and law enforcement objectives and administration. This associate degree program is designed to help you develop new skills necessary in the law enforcement or criminal justice fields, or to enhance your knowledge gained on the job if you are already employed as a law enforcement officer, investigator, agent, criminologist, or in other law-enforcement related fields.

Our criminal justice programs are among the most popular at the university, bringing you peer interactions and an expanded network of criminal justice professionals who are dedicated to safeguarding their communities and nation. Courses in this program are taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or criminal justice organizations.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Examine historical, philosophical, and constitutional perspectives/limitations of law enforcement.
- Describe the collection and preservation of evidence in basic crime scene investigations.
- Identify the origins of modern terrorism, its impact on society, and the impact of cross-cultural communication.
- Differentiate the criminological, sociological, legal, and political influences on the American criminal justice system.
- Restate theories of juvenile delinquency.

## Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		21
Final Program Requirements		3
Elective Requirements		6
Total Semester Hours		60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	



GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL115	Planning Your Future with Purpose in Security & Global Studies
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience

SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	

BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines

Total Semester Hours 30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (21 semester hours)

Code	Title	Semester Hours
CMRJ100	Introduction to Law Enforcement	3
CMRJ101	Evidence and Procedures	3
CMRJ201	Criminal Justice Administration	3
CMRJ206	Juvenile Delinquency	3
COMM240	Intercultural Communication	3
EDMG230	Emergency and Disaster Incident Command	3
LSTD204	Introduction to the Courts	3

Total Semester Hours 21

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
CMRJ295	Criminal Justice Sophomore Seminar <sup>1</sup>	3

Total Semester Hours 3

<sup>1</sup> To be taken as the last course before graduation.

## Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

# Associate of Arts in Early Childhood Care and Education

The Associate of Arts in Early Childhood Care and Education helps to prepares you to work with young children from birth to 5 years of age in a variety of private and public childcare and educational settings.

In addition, courses in the program can help you prepare to pursue the Child Development Associate (CDA) certification (<http://www.cdacouncil.org>) sponsored by the Early Childhood Education Training Institution and the Council for Professional Recognition by providing the required academic requirements for that certification. There are additional requirements regarding work experience, portfolios and evaluations that the University does not provide or help meet.

Knowledge gained in this online associate program can also serve as a springboard to a related baccalaureate degree.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the scope and principal theories of early childhood care and education.
- Describe how existing knowledge and practice in early childhood care and education is tested and revised.
- Use appropriate research documents on early childhood care and education, and cite appropriately.
- Demonstrate the ability to apply concepts learned in the classroom to real-life settings.
- Describe their own cultural background and how this background has influenced their own beliefs and practices in the field of child development and family studies.

## Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		21
Elective Requirements		9
Total Semester Hours		60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	

FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
PSYC101	Introduction to Psychology	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL111	Planning Your Future with Purpose in Humanities & Education	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
RELS250	Death and Dying	
RELS260	Race & Religion	

RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL101	Proficiency in Writing	3
<b>History (3 semester hours)</b>		
Select 1 courses from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences with (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (21 semester hours)

Code	Title	Semester Hours
EDUC111	Observation Techniques	3
CHFD210	Childhood Educational Development	3
CHFD212	Infant and Toddler Programs	3
CHFD225	Introduction to the American Family	3
CHFD308	Infant-Toddler Development	3
CHFD312	Special Needs Students	3
CHFD331	Parenting	3
Total Semester Hours		21

## Elective Requirements (9 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		9
Total Semester Hours		9

# Associate of Arts in History

The Associate of Arts in History degree program offers fascinating insight into the pivotal events and people that influenced modern civilization, and covers historical periods across a global perspective. This online degree provides a basic historical education which can be used as a stepping-stone in fields where historical knowledge is beneficial. Graduates with a history degree are found in education, or local, state, or national museums as a curator, guide, archivist, or consultant. You may also apply this degree toward the requirements for the Bachelor of Arts in History or related bachelor's degree.

Many university faculty members teaching these courses are published historians who bring unique perspectives and relevant research into the classroom. You'll also connect and interact online with other students who share your enthusiasm for history.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Identify major historical developments and be able to examine the past from diverse perspectives.
- Apply historical reason to the study of the past and think in terms of causation, context, chronology, change, and continuity.
- Implement historical method through posing questions and conducting research analyzing evidence and articulating defensible conclusions.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	18
	Elective Requirements	12
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	



LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL111	Planning Your Future with Purpose in Humanities & Education
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture

STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	

ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (18 semester hours)

Code	Title	Semester Hours
HIST111	World Civilization before 1650	3
HIST112	World Civilization since 1650	3
Select 4 courses from the following:		12
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST213	History of Women in the United States	
HIST223	History of the American Indian	
Total Semester Hours		18

## Elective Requirements (12 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		12
Total Semester Hours		12

# Associate of Arts in Hospitality

The Associate of Arts in Hospitality assists you in preparing for a career in the foodservice industry. This online program is designed to increase your understanding of proper operational procedures including: purchasing and storage; food service sanitation; food preparation; legal and insurance requirements; and marketing and sales. Completion of this associate degree could also be used as a springboard to a bachelor's level program.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the career opportunities and future industry growth forecasts as they relate to the different segments of the Hospitality Industry.
- Demonstrate food safety practices that will ensure safe food production from purchase to service.
- Demonstrate application of theory and concepts as they relate to the various responsibilities of a foodservice manager.
- Implement strategies to effectively manage and improve restaurant performance, based on operational theory and procedures.
- Analyze hospitality operation processes and attributes and the legal implication of proper or improper management.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	12
	Concentration in Restaurant Operations Requirements (p. 103)	9
	Final Program Requirements	3
	Elective Requirements	6
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	

FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL112	Planning Your Future with Purpose in Business
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
ECON201	Microeconomics for Business
ECON202	Macroeconomics for Business
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology

RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 courses from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	

**Natural Sciences (3 semester hours)**

Select 1 course from the following: 3

BIOL180	Introduction to Biology
BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines

Total Semester Hours 30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

**Major Required (12 semester hours)**

Code	Title	Semester Hours
HOSP100	Introduction to Hospitality Management	3
HOSP203	Hotel and Restaurant Purchasing	3
HOSP204	Introduction to Hotel and Restaurant Law	3
HOSP221	Hospitality Marketing	3

Total Semester Hours 12

**Concentration in Restaurant Operations Requirements (9 semester hours)**

Provides an introduction to food and beverage management operations, including: marketing, menu planning, logistical support, production, service, cost controls, and quality assurance. Also examines topics related to foodborne diseases and how to control them.

**Objectives**

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate food safety practices that will ensure safe food production from purchase to service.
- Demonstrate application of theory and concepts as they relate to the various responsibilities of a foodservice manager.
- Implement strategies to effectively manage and improve restaurant performance, based on operational theory and procedures.

Code	Title	Semester Hours
HOSP101	Foodservice Sanitation	3
HOSP200	Food and Beverage Management	3
Select 1 course from the following:		3
HOSP202	Quantity Food Preparation	
HOSP207	Principles of Cost Control in Foodservice Operations	

Total Semester Hours 9

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
HOSP295	Restaurant Operations Seminar <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> To be taken as the last course before graduation.

## Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6



# Associate of Arts in Interdisciplinary Studies

The Associate of Arts in Interdisciplinary Studies offers you the opportunity to develop diverse knowledge, skills, and abilities that provide a solid foundation for academic achievement. In this degree program, you'll combine general education courses with elective courses of your choice, helping you focus on fields most relevant to your interests, career, and goals. Successful achievement of this associate degree shows employers in all fields that you are capable of college-level studies and can persist in completing a degree program. Completion of this program can also serve as a springboard to a baccalaureate degree.

Note: This program does not qualify for Federal Student Aid

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate knowledge of and respect for diverse, global cultures and societies
- Communicate and collaborate effectively in personal and professional contexts
- Identify academic disciplines and career paths that fit with personal and professional goals

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Elective Requirements	30
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	

LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL111	Planning Your Future with Purpose in Humanities & Education
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3

Select 1 course from the following: 3

COMM200	Public Speaking
ENGL101	Proficiency in Writing
ENGL115	Argumentation and Rhetoric
ENGL210	Introduction to Literature
ENGL220	Technical Writing
ENGL221	Scientific Writing
ENGL226	Effective Business Communication
HRMT101	Human Relations Communication
IRLS200	Information Literacy and Global Citizenship
ITCC231	Introduction to Information Technology Writing
MGMT100	Human Relations

### History (3 semester hours)

Select 1 course from the following: 3

HIST101	American History to 1877
HIST102	American History since 1877
HIST111	World Civilization before 1650
HIST112	World Civilization since 1650
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877
HIST222	African-American History since 1877
HIST223	History of the American Indian
HIST270	History of Science
STEM185	The History and Context of STEM

### Mathematics and Applied Reasoning (3 semester hours)

Select 1 course from the following: 3

ACCT105	Accounting for Non Accounting Majors
ENTD200	Fundamentals of Programming
MATH110	College Algebra
MATH111	College Trigonometry
MATH112	Pre-Calculus
MATH120	Introduction to Statistics
MATH125	Math for Liberal Arts Majors
MATH225	Calculus

### Natural Sciences (3 semester hours)

Select 1 course from the following: 3

BIOL180	Introduction to Biology
BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science

PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

Elective Requirements (30 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		30
Total Semester Hours		30

# Associate of Arts in Military History

The Associate of Arts in Military History degree explores the origins of armed conflict in ancient times to patterns of Western warfare in the modern era. From the American Revolution to present day, the curriculum examines national military powers, war doctrines, crucial battles, and political leaders and their foreign policies that led to conflict. This online associate degree also emphasizes professional research, writing, and critical thinking skills. An associate degree can be beneficial in fields where historical knowledge is needed, such as curators, guides, archivists, or consultants, or for continuing toward a bachelor's level education. Many university faculty members teaching these courses are published historians or military leaders who bring unique perspectives and relevant research into the classroom. You'll also connect and interact online with other students who share your enthusiasm for history.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Identify major historical developments and be able to examine the past from diverse perspectives.
- Apply historical reason to the study of the past and think in terms of causation, context, chronology, change, and continuity.
- Implement historical method through posing questions and conducting research analyzing evidence and articulating defensible conclusions.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	18
	Elective Requirements	12
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 course from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	

LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL111	Planning Your Future with Purpose in Humanities & Education
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture

STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	

ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (18 semester hours)

Code	Title	Semester Hours
MILH201	Introduction to Military History	3
MILH202	Survey of American Military History	3
MILH221	War From Antiquity to 1700	3
MILH222	War from 1700 to the Present	3
MILH303	Readings in Military Leadership	3
MILH304	Readings in Military Philosophy	3
Total Semester Hours		18

## Elective Requirements (12 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		12
Total Semester Hours		12



# Associate of Arts in Real Estate Studies

The Associate of Arts in Real Estate Studies examines the basic experience, education, licensing requirements, and personal attributes required to succeed in the real estate field. This online associate degree provides a good foundation in real estate topics for both aspiring and current real estate professionals including: salesperson; agent or broker; residential property inspector or appraiser; mortgage broker or loan officer; and property manager. Knowledge from this online associate program can also serve as a springboard to a bachelor's degree.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Discuss career opportunities that exist in the real estate industry and the personal, educational, experiential and licensing requirements that pertain to each.
- Identify broad perspectives on the principles, practices, legal and ethical issues that are important to successful practitioners of each type of real estate career.
- Apply specific skill sets important to each area of real estate practice including financial analysis, property appraisal, internet based marketing and research, contract negotiation, investment evaluation, personal marketing, time management and organizational skills, etc.
- Examine requirements to qualify for any licensing exams and/or other entry requirements (in the state(s) they plan to practice) pertinent to the area of real estate that they identify as of interest.
- Develop clear strategies, goals and objectives, and action plans to launch a successful real estate career upon graduation, discharge or retirement.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	24
	Elective Requirements	6
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours)<sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	

ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>	

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL112	Planning Your Future with Purpose in Business
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
ECON201	Microeconomics for Business
ECON202	Macroeconomics for Business
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature

POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	

MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (24 semester hours)

Code	Title	Semester Hours
ACCT105	Accounting for Non Accounting Majors	3
BUSN100	Basics of Business	3
BUSN120	Real Estate Principles	3
BUSN121	Real Estate Practice	3
BUSN220	Real Estate Finance	3
BUSN221	Real Estate Appraisal	3
BUSN222	Real Estate Property Management	3
LSTD202	Real Estate Law	3
Total Semester Hours		24

## Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

# Associate of Arts in Supply Chain Management

The Associate of Arts in Supply Chain Management will strengthen the student's understanding of supply chain management functions such as: transportation, reverse logistics, order processing, warehousing, and acquisitions management. The degree is specifically designed to help students identify logistics and supply chain roles and opportunities within different organizations. This associate degree will help students master the concepts and common nomenclature to engage in supply chain management dialogue.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the basic principles of supply chain management.
- Demonstrate skills in transportation, logistics, reverse logistics, and acquisitions management.
- Learn how to solve and supply chain problems through case study scenarios.
- Model strong analytical and problem-solving skills.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	24
	Elective Requirements	6
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	

GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
ECON101	Microeconomics	3
Select 1 course from the following:		6
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL112	Planning Your Future with Purpose in Business	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	

SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL226	Effective Business Communication	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
ACCT105	Accounting for Non Accounting Majors	3
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (24 semester hours)

Code	Title	Semester Hours
BUSN100	Basics of Business	3
MGMT101	Principles of Supervision	3
MKTG201	Fundamentals of Marketing	3
SCMG201	Principles of Supply Chain Management	3

DEFM200	Fundamentals of Contracting and Acquisition	3
TLMT200	Retail Shipping and Receiving	3
TLMT201	Retail Transportation	3
ECON102	Macroeconomics	3
Total Semester Hours		24

## Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6



# Associate of Arts in Weapons of Mass Destruction Preparedness

The Associate of Arts in Weapons of Mass Destruction Preparedness provides you with a fundamental understanding of terrorism, terrorist weapons, security vulnerabilities, extremist groups, counterterrorism tactics, and national security. The U.S. military, government agencies, and defense contractors need knowledgeable individuals to help them plan for, deter, and recover from terrorist incidents. This online associate degree helps you to provide additional knowledge for those interested in the fields of a security officer, law enforcement officer, or security specialist with organizations concerned with national security, public safety, and counterterrorism.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Recognize the threat to the U.S. posed by both domestic and international terrorist groups and state actors armed with weapons of mass destruction.
- Describe the threat posed to society by chemical agents.
- Relate the threat posed to society by biological agents.
- Identify the threat posed to society by radiological and nuclear terrorism.
- Review the use of detection and monitoring equipment and personal protection and decontamination practices for the first responder.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	24
	Elective Requirements	6
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 course from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	

JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>	
Select 2 course from the following:	
ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
CHFD220	Human Sexuality
COLL115	Planning Your Future with Purpose in Security & Global Studies
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

6

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	

**History (3 semester hours)**

Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	

**Mathematics and Applied Reasoning (3 semester hours)**

Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	

**Natural Sciences (3 semester hours)**

Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	

PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (24 semester hours)

Code	Title	Semester Hours
EDMG340	Consequence Management	3
HLSS154	Mind of a Terrorist	3
HLSS212	Chemical, Biological, and Radiological Hazards	3
HLSS215	Regulatory Issues in Weapons of Mass Destruction	3
HLSS302	Introduction to Homeland Security and Defense	3
HLSS305	Private Sector Homeland Security	3
HLSS310	Critical Infrastructure Protection	3
HLSS312	Port Security	3
Total Semester Hours		24

## Elective Requirements (6 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

# Associate of Science in Accounting

The Associate of Science in Accounting teaches the basics of accounting fundamentals including the tools needed for building financial statements. You'll study basic business strategies and economic concepts in this accounting degree program, providing practical skills often required for entry-level positions as a bookkeeper, accountant, or auditor. This online associate program is also ideal for students who are thinking of entering the business world as an entrepreneur or manager of a small business.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the general role of accounting in business in relation to its use by managers, investors, businesses, and regulatory agencies.
- List Generally Accepted Accounting Principles (GAAP) and recall how GAAP is established.
- Utilize the steps in the accounting cycle to prepare financial statements from raw financial data.
- Complete accounting analyses and explain how this information is used to assist in making managerial decisions and controlling the financial aspects of business operations.
- Recognize the ethical framework for accountants adopted by professional accounting organizations, such as the American Institute of Certified Public Accountants (AICPA®) and the Institute of Management Accountants (IMA).
- Discuss basic business and economic terms and concepts.
- Employ office productivity applications to create business and accounting related reports and presentations.

AICPA® is a registered trademark of the American Institute of Certified Public Accountants.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	24
	General Concentration (p. 128)	3
	Elective Requirements	3
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 course from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	

ARTH200	Art Appreciation
ARTH240	Survey of Photography
ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>	
Select 1 course from the following:	
ECON201	Microeconomics for Business
ECON202	Macroeconomics for Business
Select 1 course from the following:	
ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL112	Planning Your Future with Purpose in Business
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography

HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3

Select 1 course from the following:	3
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COMM200	Public Speaking
ENGL101	Proficiency in Writing
ENGL115	Argumentation and Rhetoric
ENGL210	Introduction to Literature
ENGL220	Technical Writing
ENGL221	Scientific Writing
ENGL226	Effective Business Communication
HRMT101	Human Relations Communication
IRLS200	Information Literacy and Global Citizenship
ITCC231	Introduction to Information Technology Writing
MGMT100	Human Relations

**History (3 semester hours)**

Select 1 course from the following:	3
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HIST101	American History to 1877
HIST102	American History since 1877
HIST111	World Civilization before 1650
HIST112	World Civilization since 1650
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877
HIST222	African-American History since 1877
HIST223	History of the American Indian
HIST270	History of Science
STEM185	The History and Context of STEM

**Mathematics and Applied Reasoning (3 semester hours)**

MATH110	College Algebra	3
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**Natural Sciences (3 semester hours)**

Select 1 course from the following:	3
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BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (24 semester hours)

Code	Title	Semester Hours
ACCT100	Accounting I	3
ACCT101	Accounting II	3
BUSN100	Basics of Business	3
ITCC111	Basic Productivity Applications	3
MATH111	College Trigonometry	3
MATH225	Calculus	3
ACCT301	Intermediate Accounting I	3
BUSN311	Law and Ethics in the Business Environment	3
Total Semester Hours		24

## General Concentration (3 semester hours)

This concentration is for those students who want to enter the business world as an entrepreneur or manager of a small business. It prepares students for entry-level positions in bookkeeping, accounting, and auditing. The curriculum provides a solid foundation in business strategy, financial statements, cost information, economics, management, and ethical issues. Students will be presented the various financial statements and learn how to record, present, and analyze financial data.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Describe the general role of accounting in business in relation to its use by managers, investors, businesses, and regulatory agencies.
- List Generally Accepted Accounting Principles (GAAP) and recall how GAAP is established.
- Utilize the steps in the accounting cycle to prepare financial statements from raw financial data.
- Complete accounting analyses and explain how this information is used to assist in making managerial decisions and controlling the financial aspects of business operations.
- Recognize the ethical framework for accountants adopted by professional accounting organizations, such as the American Institute of Certified Public Accountants (AICPA®) and the Institute of Management Accountants (IMA).
- Discuss basic business and economic terms and concepts.
- Employ office productivity applications to create business and accounting related reports and presentations.



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### Concentration Requirements (3 semester hours)

Code	Title	Semester Hours
Select 1 course from the following:		3
ACCT300	Financial Accounting	
ACCT302	Intermediate Accounting II	
ACCT303	Intermediate Accounting III	
ACCT305	Accounting Information Systems	
ACCT400	Auditing	
ACCT401	Cost Accounting	
ACCT406	Managerial/Cost Accounting	
ACCT410	Governmental and Not-for-Profit Accounting	
ACCT415	Law for Accountants	
ACCT420	Individual Federal Taxes	
Total Semester Hours		3

### Elective Requirements (3 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		3
Total Semester Hours		3

# Associate of Science in Computer Technology

The Associate of Science in Computer Technology provides practical knowledge and skills designed to help prepare you for technical positions in information and related computer industries, regardless of your background. Pursuing this degree will afford you the opportunity to complement your mandatory industry certifications, such as CompTIA Security+® and CompTIA A+®, with a degree. The program covers a variety of core subjects to include soft skills in human relations, basic computing, web development fundamentals, productivity applications, and programming essentials. Additional electives allow you to choose from dozens of specific courses in order to advance your knowledge and skills in the information technology arena. Successful completion of this online program helps prepare you for a bachelor's degree in the computer and information technology field.

After completing this associate degree in computer technology, you may consider pursuing your Microsoft Office® Specialist (MOS) Excel and Certified Internet Webmaster (CIW®) certifications. Please view course descriptions for complete details.

*CompTIA Security+® is a registered trademark of the Computing Technology Industry Association, Inc.*

*CompTIA A+® is a registered trademark of the Computing Technology Industry Association, Inc.*

*Microsoft Office® is a registered trademark of Microsoft Corporation.*

*CIW® is a registered trademark of Certification Partners, LLC.*

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Explain the value of using effective interpersonal skills to communicate and collaborate.
- Identify computing requirements appropriate to solve problems.
- Build a basic computer system using appropriate hardware and software technologies.
- Apply current techniques, skills, and tools for application use and web development.
- Demonstrate the use of technology in an assigned project.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	15
	Final Program Requirements	3
	Elective Requirements	12
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
STEM270	Thinking and Acting Ethically	3
Select 1 course from the following:		3

ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
STEM280	Exploring Society and Cultures via Science Fiction	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL114	Planning Your Future with Purpose in STEM	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	

IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ITCC231	Introduction to Information Technology Writing	3
<b>History (3 semester hours)</b>		
STEM185	The History and Context of STEM	3
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH110	College Algebra	3
<b>Natural Sciences (3 semester hours)</b>		
STEM100	Introduction to STEM Disciplines	3
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (15 semester hours)

Code	Title	Semester Hours
Select 5 courses from the following:		15
MGMT100	Human Relations	
ITCC121	Introduction to Computer Science	
ITCC112	Advanced Productivity Applications	
ENTD200	Fundamentals of Programming	
WEBD121	Web Development Fundamentals	
ITMG221	IT Project Management	
Total Semester Hours		15

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
ITCC298	Computer Technology Intermediate Capstone	3
Total Semester Hours		3

## Elective Requirements (12 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		12
Total Semester Hours		12

# Associate of Science in Cybersecurity

The Associate of Science in Cybersecurity is designed to advance the student's practical knowledge and skills in the cybersecurity industry, regardless of one's background. Organizations of all sizes face constant cyberthreats and cyberattacks from both internal and external attackers. The cybersecurity associate degree provides a fundamental understanding of cybersecurity theory and know-how often required to implement effective cybersecurity defenses in public and private sectors. Students who complete this associate degree may wish to consider pursuing the University's cybersecurity bachelor's degree for further knowledge and skill.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Identify common uses of cryptography in creating a secure infrastructure.
- Implement various mitigation strategies to cyber threats and provide security solutions.
- Demonstrate a fundamental knowledge of local and wide area networks.
- Explain legal and ethical issues related to technology implications.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	24
	Final Program Requirement	3
	Elective Requirements	3
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	

LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL115	Planning Your Future with Purpose in Security & Global Studies
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture

STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ITCC231	Introduction to Information Technology Writing	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH110	College Algebra	3
<b>Natural Sciences (3 semester hours)</b>		
STEM100	Introduction to STEM Disciplines	3
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (24 semester hours)

Code	Title	Semester Hours
ENTD261	Scripting Languages for the Administrator	3
ISSC231	Networking Concepts	3
ISSC242	Hardening Operating Systems	3
ISSC262	Red and Blue Team Security	3
ISSC266	Cryptography Concepts	3
ITMG281	Law, Privacy, and Digital Data	3
MATH302	Statistics	3
ISSC221	Intermediate Computer Systems	3
Total Semester Hours		24



## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
ISSC298	Cybersecurity Capstone Portfolio	3
Total Semester Hours		3

## Elective Requirements (3 semester hours)

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		3
Total Semester Hours		3

# Associate of Science in Data Science

The Associate of Science in Data Science will cover foundational aspects of data science. Courses will cover functional coding and methods; analytical methods; descriptive, predictive and prescriptive analytics; and machine learning. Graduates will be able to deliver reproducible data analyses and solutions. Graduates will understand ethical, privacy, and security considerations in the conduct of data analyses. Graduates will be able to communicate the story in the data through the use of data visualization techniques.

This program has specific admission requirements.

## Degree Program Objectives

Upon completion of this program of study, students will be able to:

- In response to a specific challenge or problem, gather appropriate data.
- Pre-process data, as appropriate, for anticipated final processing and analyses.
- Evaluate a variety of methods used to conduct a data analysis for a specified situation and given data then generate and effectively communicate a comprehensive report on this evaluation including all aspects of the results.
- Deliver reproducible analyses and results.
- Effectively communicate technical results to both or either a technical or non-technical audience.
- Explain the ethical, privacy, and security issues related to data science analyses and communication.
- Obtain real-world experience through project-based coursework and the associate-level seminar.

## Programmatic Admission Requirements

For admission to the AS of Data Science, applicants must have completed preparation in mathematics equivalent to pre-calculus or higher. A review of high school or college transcripts showing completion of this requirement will be conducted during the admission process.

Please visit our AMU (<https://www.amu.apus.edu/admissions/undergraduate-requirements.html>) or APU (<https://www.apu.apus.edu/admissions/undergraduate-requirements.html>) undergraduate admission page for more information on institutional admission requirements.

## Need help?

If you have questions regarding a program's admission requirements, please contact an Admissions Coach at 877-755-2787 or [info@apus.edu](mailto:info@apus.edu).

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	27
	Final Program Requirements	3
Total Semester Hours		60

# Degree Program Requirements

## General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours)</b>		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	

COLL114	Planning Your Future with Purpose in STEM	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	

HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH225	Calculus	3
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (27 semester hours)

Code	Title	Semester Hours
MATH220	Linear Algebra	3
MATH226	Calculus II	3
MATH302	Statistics	3
MATH227	Calculus III	3
DATS200	Functional Methods and Coding	3
DATS201	Analytical Methods I	3
DATS211	Introduction to Data Science	3
DATS221	Exploratory Data Analysis	3
DATS225	Data Visualization	3
Total Semester Hours		27

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
DATS298	Associate Seminar	3
Total Semester Hours		3

# Associate of Science in Fire Science

The Associate of Science degree in Fire Science provides you with scientific knowledge of fire behavior, prevention, suppression, and equipment. In addition to learning how and why fires start, spread, and are controlled, you'll examine the history and philosophy of fire prevention bureaus, use of fire codes, and identification and correction of fire hazards.

The mission of the Associate in Fire Science program is to prepare students with introductory fire protection concepts and theories that complement on-the-job fire services training.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the historical development of fire protection and response from its origins through contemporary times.
- Identify and differentiate the various forms of fire, their fundamental scientific principles, and their associated mitigation and response strategies.
- Describe the legal and regulatory duties and responsibilities of the fire department as a public organization.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	21
	Final Program Requirements	3
	Elective Requirements	6
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	

LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL115	Planning Your Future with Purpose in Security & Global Studies
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
POLS210	American Government I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture

STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL115	Argumentation and Rhetoric	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.



**Major Required (21 semester hours)**

Code	Title	Semester Hours
FSMT102	Fire Behavior and Combustion	3
FSMT188	Fire Prevention	3
FSMT201	Fire Protection Systems	3
FSMT210	Fundamentals of Fire Protection	3
FSMT281	Principles of Fire and Emergency Services Safety and Survival	3
FSMT287	Fire Protection in Building Construction	3
FSMT289	Fire Protection Hydraulics and Water Supply	3
Total Semester Hours		21

**Final Program Requirements (3 semester hours)**

Code	Title	Semester Hours
FSMT299	Sophomore Seminar in Fire Science <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> To be taken as the last course before graduation.

**Elective Requirements (6 semester hours)**

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

# Associate of Science in Legal Studies

The Associate of Science in Legal Studies offers a foundation in legal doctrine, along with the analytical, technical, and communication skills often required in the legal field. This associate degree program will aid you in doing your part to help solve aspects of the complex societal challenges associated with the public's ability to access justice by providing a foundation for those interested in nonlawyer paraprofessional fields, such as paralegal, legal assistant, legal analyst or technician. By equipping you for ethical service and leadership, the knowledge gained from this online program is applicable to many industries seeking individuals with legal expertise, such as law firms, government agencies, nonprofits, and corporations or businesses with legal departments.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply legal research and writing skills in realistic legal contexts.
- Develop critical thinking and legal analytical skills.
- Demonstrate proficiency with law office equipment and software.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	21
	Final Program Requirements	3
	Elective Requirements	6
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	

LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours)**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL115	Planning Your Future with Purpose in Security & Global Studies
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture

STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL115	Argumentation and Rhetoric	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

**Major Required (21 semester hours)**

Code	Title	Semester Hours
LSTD100	Introduction to Law for Paralegals	3
LSTD201	Litigation	3
LSTD202	Real Estate Law	3
LSTD203	Criminal Law and Procedure for the Paralegal	3
LSTD205	Legal Research and Writing	3
LSTD207	Civil Practice and Procedure	3
LSTD210	Legal Ethics	3
Total Semester Hours		21

**Final Program Requirements (3 semester hours)**

Code	Title	Semester Hours
LSTD298	Sophomore Seminar in Legal Studies <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> To be taken as the last course before graduation.

**Elective Requirements (6 semester hours)**

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		6
Total Semester Hours		6

# Associate of Science in Public Health

The Associate of Science in Public Health degree offers introductory courses in sociology, psychology, health, and wellness while looking at the American healthcare system. This online associate degree offers a focus on interpersonal communication, leadership, and motivation, skills often required for entry-level careers in community healthcare or occupational health and safety settings.

The university also offers a bachelor's in public health that can either be a logical next step after earning the associate or may be considered instead of the associate. We recommend you speak with an Admissions Coach to discuss the appropriate starting level to meet your educational goals.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Explain how and why they are a part of a global community and how the health of one nation or community affects the planet as a whole.
- Explain why the profession of public health is dynamic, political, and controversial. To face health issues, a professional must define the public as diverse with many views, beliefs, values and concerns.
- Possess the training and competence in the use of technologies to deliver health care services to their communities.
- Choose and use the appropriate policies, educational programs, and incentives to develop and maintain individual and community lifestyles that promote optimal health.
- Develop a continuum of supportive public health services appropriate for their community.
- Resolve conflicts over public health and health care issues.
- Ensure that the findings of current public health research are communicated to their communities in an appropriate manner.
- Assure communities of the right to receive sufficient information from suppliers of health care technologies, health care providers, and relevant governmental agencies.
- Explain and assist in the development of a safe community environment.
- Maintain involvement with their communities to assure appropriate education regarding public health matters.
- Maintain the utmost ethical standards in their personal and professional conduct.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	22
	Elective Requirements	8
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
PHIL200	Introduction to Ethics	3
Select 1 course from the following:		3
ARAB100	Arabic I	

ARAB101	Arabic II
ARTH200	Art Appreciation
ARTH240	Survey of Photography
ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL113	Planning Your Future with Purpose in Health Sciences
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature

POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
COMM285	Interpersonal Communications	3
ENGL110	Making Writing Relevant	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
BIOL180	Introduction to Biology	3
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.



**Major Required (22 semester hours)**

Code	Title	Semester Hours
PBHE111	Introduction to Health Care Administration	3
PBHE112	Health Services Organization	3
PBHE209	Wellness: Health Promotion and Disease Prevention	3
SCIN131	Introduction to Chemistry with Lab	4
PBHE211	Public Health in America	3
PBHE215	Healthcare: Moral Issues	3
SPHE295	Foundations of Nutrition	3
Total Semester Hours		22

**Elective Requirements (8 semester hours)**

Code	Title	Semester Hours
Select any courses comprised of lower (100-200) level courses not already taken to fulfill the requirements listed above. Additional general education courses may be taken to fulfill elective requirements.		8
Total Semester Hours		8

# Associate of Science in Space Studies

Take your introductory journey into space studies with the online Associate of Science in Space Studies.

Using a curriculum designed by former NASA astronaut, the program offers insight into current and historical concepts in astronomy, earth science, space policy, and space flight, taught by expert practitioners. Faculty include scientists and current NASA engineers.

In addition, you'll enjoy access to a state-of-the-art, remote-controlled observatory and a fully online 24-inch aperture telescope. You can also participate in ongoing telescope research projects, such as our supernova research project.

Up to 60 class credits from this online associate degree may be transferred to our bachelor's program in space studies, saving you time and money.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply knowledge of mathematics, earth science, and space science to identify and solve space/earth studies problems.
- Conduct experiments, analyze, and interpret data.
- Communicate effectively with a range of audiences.
- Assess ethical and professional responsibilities and the impact of technical and/or scientific solutions in global, economic, environmental, and societal contexts.
- Function on multidisciplinary teams.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	30
	Total Semester Hours	60

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours)</b>		
PHIL202	Philosophy of Science	3
STEM270	Thinking and Acting Ethically	3
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
STEM280	Exploring Society and Cultures via Science Fiction	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	

COLL114	Planning Your Future with Purpose in STEM	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL221	Scientific Writing	3
<b>History (3 semester hours)</b>		
STEM185	The History and Context of STEM	3
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH110	College Algebra	3
<b>Natural Sciences (3 semester hours)</b>		
CHEM180	Introduction to Chemistry	3
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (30 semester hours)

Code	Title	Semester Hours
MATH111	College Trigonometry	3
MATH225	Calculus	3
STEM100	Introduction to STEM Disciplines	3
SCIN134	Introduction to Astronomy with Lab	4
SCIN137	Introduction to Meteorology with Lab	4
SCIN138	Introduction to Physical Geology with Lab	4
SPST200	Introduction to Space Studies	3
SPST201	Introduction to Space Flight	3

SPST203	History of Space Flight	3
Total Semester Hours		30

# Bachelor's Programs

Bachelor degree programs are designed to help provide the knowledge, skills, and abilities for entry into the workforce, career transition, or graduate study. Bachelor degree programs require a minimum of 120 semester hours and a GPA of 2.0 for graduation. In most cases, these are comprised of general education, major, and elective requirements. In many programs, you have the opportunity to select specific concentrations within the degree program or opt for a general program. You may also elect to “minor” in a second academic discipline.

## Bachelor

- *Bachelor of Business Administration* (p. 378)
- *Bachelor of Engineering, Engineering: Electrical Engineering*

## Bachelor of Arts

- *Business*
- *Communication*
- *Computer Science*
- *Criminal Justice* (p. 194)
- *Emergency and Disaster Management* (p. 201)
- *English* (p. 207)
- *Entrepreneurship* (p. 215)
- *Government Contracting and Acquisition* (p. 223)
- *History* (p. 228)
- *Homeland Security* (p. 237)
- *Hospitality Management* (p. 242)
- *Human Development and Family Studies* (p. 249)
- *Human Resource Management*
- *Intelligence Studies* (p. 260)
- *Interdisciplinary Studies*
- *International Relations and Global Security*
- *Management* (p. 287)
- *Marketing* (p. 297)
- *Military History* (p. 304)
- *Philosophy* (p. 311)
- *Political Science* (p. 317)
- *Psychology* (p. 324)
- *Religion* (p. 329)
- *Retail Management* (p. 335)
- *Reverse Logistics Management* (p. 342)
- *Security Management* (p. 349)
- *Sociology* (p. 356)
- *Supply Chain Management*
- *Transportation and Logistics Management* (p. 371)

## Bachelor of Science

- *Accounting* (p. 396)
- *Business Analytics* (p. 402)
- *Computer Science*
- *Computer Technology*
- *Criminal Justice with a Concentration in Digital Forensics* (p. 424)
- *Cybersecurity* (p. 430)
- *Data Science*
- *Environmental Science* (p. 444)
- *Esports*
- *Fire Science Management* (p. 455)
- *Health Information Management* (p. 460)
- *Healthcare Administration*
- *Information Technology* (p. 473)
- *Information Technology Management* (p. 479)
- *Legal Studies* (p. 484)
- *Mathematics* (p. 492)
- *Natural Sciences* (p. 498)
- *Nursing* (p. 503)
- *Public Health* (p. 508)
- *Space Studies* (p. 515)
- *Sports and Health Sciences* (p. 521)
- *Sports Management* (p. 528)

## Bachelor of Applied Science

- *Health Sciences*
- *Technical Management* (p. 171)

# Bachelor of Arts in International Relations and Global Security

The Bachelor of Arts in International Relations and Global Security analyzes the nature of modern global relationships and provides you with an improved understanding of diplomacy, foreign policy analysis, international organizations, global development, and international relations theory. This online bachelor's degree explores the interconnectedness of global economies, societies, and cultures. You will focus on civic engagement and social responsibility while developing broad critical thinking skills in politics, economics, culture, and history. This online program provides an excellent foundation for those interested in fields encompassing government agencies, the diplomatic service, international organizations, world trade and finance, and international media.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Distinguish the political, economic, social, and security theories, methods, and historic patterns of international relations as applied to contemporary issues and actors within the world system.
- Explain the process and implications of interdependence among individuals, groups, states, and regions in the context of globalization.
- Analyze the theories, assumptions, and causes of conflict within international systems as related to the institutions of international law, diplomacy, and world order, including the prospects for sustainable peace.
- Assess the unique principles, structure, organization, and impact of international organizations and other non-state actors within the international system of states.
- Evaluate the multidimensional effects of globalization and integration as applied to issues in human security, conflict resolution, and sustainable economic development.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	18
	Select one of the following concentrations:	24
	Comparative Politics and Area Studies (p. 162)	
	Globalization and Human Security (p. 163)	
	International Studies (p. 164)	
	Middle Eastern Studies (p. 164)	
	Peacekeeping (p. 165)	
	Final Program Requirements	3
	Elective Requirements	45
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
	Arts and Humanities (6 semester hours) <sup>1</sup>	
	Select 2 courses from the following:	6

ARAB100	Arabic I
ARAB101	Arabic II
ARTH200	Art Appreciation
ARTH240	Survey of Photography
ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL115	Planning Your Future with Purpose in Security & Global Studies
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness



IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
IRLS200	Information Literacy and Global Citizenship	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	

ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (18 semester hours)

Code	Title	Semester Hours
IRLS210	International Relations I	3
IRLS211	International Relations II	3
IRLS214	American Foreign Policy	3
IRLS301	International Organizations	3
IRLS302	International Development	3
IRLS402	International Law and Regimes	3
Total Semester Hours		18

Students must choose a concentration for this degree program and may select from either the Concentration in Comparative Politics and Area Studies, Concentration in Globalization and Human Security, Concentration in International Studies, Concentration in Middle Eastern Studies, or Concentration in Peacekeeping.

## Comparative Politics and Area Studies (24 semester hours)

Takes an in-depth look at politics in systematic and comparative terms by focusing on domestic politics in various countries. Explores the political history, social background, culture, and institutions of those countries; the roles of various actors in developing and implementing domestic and international policy; and globalization's impact on public policies.

Students in this concentration undertake an in-depth examination of cross-national analysis. Students will learn how to think about politics in systematic and comparative terms by focusing on the domestic politics in a variety of countries.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Comprehend the roles of various actors in the development and implementation of both domestic and international policy.
- Explore the political history, social background, culture, and institutions of various countries.
- Identify the various manifestations of globalization and its impact on various public policies as they relate to cultural, economic, political, and social institutions.

## Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
IRLS213	Political Geography	3
IRLS300	Comparative Political Systems	3
IRLS392	Globalization and the Market Economy	3

IRLS412	Comparative Foreign Policy	3
Select 4 courses from the following:		12
ARAB100	Arabic I	
ARAB101	Arabic II	
ARAB200	Arabic III	
FREN101	French II	
GERM100	German I	
GERM101	German II	
HIST230	History of East Asia	
IRLS322	African Politics	
IRLS331	Asian Politics	
IRLS343	Government and Security of Russia	
IRLS344	European Politics	
IRLS355	Latin American Politics	
IRLS460	Government & Security in the Middle East	
IRLS463	Arab-Israeli Conflict: Contemp. Politics & Dipl.	
SPAN100	Spanish I	
SPAN101	Spanish II	
Total Semester Hours		24

## Concentration in Globalization and Human Security (24 semester hours)

Takes an historical look at human rights topics and discusses how human rights and human security are intertwined. Delves into environmental security threats such as climate change, water scarcity, consumption patterns, urbanization, food security, and globalization. Some courses in this concentration may lead to eligibility to obtain a certificate of completion from the United Nation's Peace Operations Training Institute.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify the major security threats and opportunities facing the global civil society.
- Describe the interconnected political, social, cultural, and economic forces that affect human security.
- Analyze the various methods designed to increase human security.

### Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
IRLS310	Introduction to Human Security	3
IRLS400	Human Rights	3
IRLS405	National and Transnational Justice	3
IRLS409	Environmental Security	3
Select 4 courses from the following:		12
INTL411	International Criminal Organizations	
INTL451	Terrorism and U.S. National Security	
IRLS413	International Conflict Resolution	
IRLS414	Principles of Peacekeeping	

IRLS417	International Civil Order	
Total Semester Hours		24

## Concentration in International Studies (24 semester hours)

Takes an historical look at human rights topics and discusses how human rights and human security are intertwined. Delves into environmental security threats such as climate change, water scarcity, consumption patterns, urbanization, food security, and globalization. Some courses in this concentration may lead to eligibility to obtain a certificate of completion from the United Nation's Peace Operations Training Institute.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Comprehend various theories about the nature of conflict and cooperation in the post-Cold War era.
- Explore the norms and purposes of international structures and regimes.
- Identify the various manifestations of globalization and its impact on various political, economic and social systems.

### Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
INTL434	Threat Analysis	3
IRLS392	Globalization and the Market Economy	3
IRLS413	International Conflict Resolution	3
SCMT319	Global Terrorism	3
Select 4 courses from the following:		12
INTL411	International Criminal Organizations	
INTL451	Terrorism and U.S. National Security	
IRLS400	Human Rights	
IRLS405	National and Transnational Justice	
IRLS417	International Civil Order	
IRLS491	Special Topics in International Relations	
TLMT442	International Trade and Regulations	
Total Semester Hours		24

## Concentration in Middle Eastern Studies (24 semester hours)

Provides a comprehensive understanding of Middle Eastern societies, cultures, religions, history, politics, and conflicts. Topics include essential tenets and central practices of different cultures within Middle Eastern societies, as well as ethnic, cultural, and religious divides that exist in the Middle East and their impact on internal and regional stability.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the development of political and economic institutions.
- Describe how political, economic, social and military structures work within the region.
- Determine how conflict and shifting alliances shaped the politics of the region.
- Summarize the challenges facing Middle Eastern countries individually and as a region.

- Compare and contrast the different cultures and religions within the Middle East.
- Evaluate existing cooperation efforts and the long-term viability of those efforts for success.
- Analyze the role religion plays in the political, social, and economic fabric of the region.

### Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
IRLS260	Middle Eastern Culture	3
IRLS360	Global Politics of Islam	3
IRLS460	Government & Security in the Middle East	3
IRLS468	Politics and Security in the Persian Gulf	3
Select 4 courses from the following:		12
ARAB100	Arabic I	
ARAB101	Arabic II	
ARAB200	Arabic III	
ARAB201	Arabic IV	
RELS330	Religions of the Middle East	
RELS353	Islam	
HIST350	History of the Middle East	
IRLS463	Arab-Israeli Conflict: Contemp. Politics & Dipl.	
IRLS300	Comparative Political Systems	
Total Semester Hours		24

### Concentration in Peacekeeping (24 semester hours)

Traces the principles and foundations of peace operations within the context of international and regional mechanisms. Topics include the nature of conflict and diplomatic negotiations in the post-Cold War era, and the role of UN and regional peacekeeping initiatives in specific peacebuilding and peacekeeping operations in conflict areas. Completion of this concentration may lead to eligibility to obtain a certificate of completion from the Peace Operations Training Institute.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Understand the nature of conflict and diplomatic negotiations in the post-Cold War era.
- Identify the evolving theory and practices of United Nations peacekeeping operations.
- Describe the role of UN and regional peacekeeping initiatives in specific peacebuilding, peacemaking, and peacekeeping operations in conflict areas.

### Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
IRLS310	Introduction to Human Security	3
IRLS414	Principles of Peacekeeping	3
IRLS415	Peacekeeping Logistics	3
MILH422	History of Peacekeeping: 1988-Present	3
Select 4 courses from the following:		12

IRLS405	National and Transnational Justice	
IRLS409	Environmental Security	
IRLS413	International Conflict Resolution	
IRLS417	International Civil Order	
Total Semester Hours		24

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
IRLS492	Senior Seminar in International Relations (to be taken as the last course before graduation)	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

### Elective Requirements (45 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		45
Total Semester Hours		45

# Bachelor of Applied Science in Health Sciences

The Bachelor of Applied Science (BAS) in Health Sciences is for students interested in entering or currently working in the rapidly growing healthcare industry. The degree is ideal for those who have completed military training in the medical and health sciences and are seeking to advance their knowledge in the field.

Through an interdisciplinary approach, the BAS in Health Sciences is designed to meet the transforming practices within health sciences. You will study a core curriculum in natural sciences, sports and health sciences, public health, information systems management, health information management, and healthcare administration. Best of all, if you already earned the AAS Health Sciences degree, you'll find a seamless, quick transfer to this online bachelor's program.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Analyze healthcare policy issues from an economic and financial perspective.
- Create a plan for efficient healthcare system management.
- Evaluate and develop solutions and strategies for complex problems within the healthcare industry.
- Apply ethical standards for decision-making in healthcare organizations.
- Assess technologies and healthcare informatics for implementation in healthcare organizations.

## Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		31
Major Required		51
Final Program Requirements		3
Elective Requirements		35
Total Semester Hours		120

## Degree Program Requirements

### General Education Requirements (31 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	

GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL113	Planning Your Future with Purpose in Health Sciences
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience



SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH225	Calculus	
<b>Natural Sciences (4 semester hours)</b>		
BIOL133	General Biology I with Lab	4
Total Semester Hours		31

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

**Major Required (51 semester hours)**

Code	Title	Semester Hours
CHEM133	General Chemistry I with Lab	4
BIOL134	General Biology II with Lab	4
BIOL250	Human Anatomy and Physiology with Lab I	4
BIOL202	Principles of Microbiology with Lab	4
BIOL251	Human Anatomy and Physiology with Lab II	4
SCIN211	Principles of Genetics with Lab	4
SPHE314	Exercise Physiology	3
PBHE315	Health Economics and Finance	3
HIMA350	Compliance	3
PBHE215	Healthcare: Moral Issues	3
SPHE250	Sports First Aid and Safety	3
HIMA410	Informatics and Analytics	3
PBHE413	Special Operations in Emergency Medical Services	3
PBHE427	Epidemiology	3
SPHE461	Current Issues and Trends in Fitness and Wellness	3
Total Semester Hours		51

**Final Program Requirements (3 semester hours)**

Code	Title	Semester Hours
HCAD498	Senior Seminar in Health Sciences <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment

**Elective Requirements (35 semester hours)**

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		35
Total Semester Hours		35

# Bachelor of Applied Science in Technical Management

The Bachelor of Applied Science in Technical Management is designed to build upon students' prior education and work experience gained through a community college or military technical courses/occupations. This degree is intended to provide the knowledge and skills often required in management and supervisory roles.

This program will explore management theories, concepts, and practices necessary to organize, motivate, and lead human capital.

In the courses for this program, students will conduct management research focused on business problems, collect and analyze data, and communicate their findings by using qualitative and quantitative research methods. Students will also develop critical thinking, analysis, planning, and communication skills and examine complex organizational issues such as staffing, budgeting, strategic management, quality control, project management, supply chain management, marketing management, information systems, and operations.

In addition, students will identify and solve problems related to a specialty area using technical management, project management, technical research management, management information systems, and transportation security management and develop an analytical framework using a variety of approaches to apply leadership and management theory and practice to address the challenges of today's global organizations. Students will also develop the ability to evaluate technical management issues in the context of ethical, technological, structural, cultural, human, and environmental factors.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP (<http://www.acbsp.org>)) (<http://www.acbsp.org>) (<http://www.acbsp.org>).

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Conduct business problem focused management research, including collection and analysis of data, and communication of findings by using qualitative and quantitative research methods.
- Develop and foster critical thinking, analysis, planning, and communication skills.
- Examine complex organizational issues that include staffing, budgeting, strategic management, quality control, project management, supply chain management, marketing management, information systems, production and operations.
- Demonstrate a proficiency in identifying and solving problems related to the specialty area using Technical Management, Project Management, Technical Research Management, Management Information Systems, and Transportation Security Management.
- Develop an analytical framework using a variety of approaches to apply leadership and management theory and practice to address the challenges of global organizations in this century.
- Evaluate technical management issues in the context of ethical, technological, structural, cultural, human and environmental factors.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	27
	Select one of the following concentrations:	15
	Logistics and Supply Chain Management (p. 175)	
	Management of Information Systems (p. 175)	
	Project Management (p. 176)	
	Technical Management (p. 176)	

Technical Resource Management (p. 177)	
Final Program Requirements	3
Elective Requirements	45
Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours)</b>		
Select 2 courses from the following: <sup>1</sup>		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours)</b>		

Select 1 course from the following:

3

ECON101 Microeconomics

ECON102 Macroeconomics

Select 1 course from the following: <sup>1</sup>

3

ANTH100 Introduction to Anthropology

ANTH200 World Archaeology

ANTH202 Introduction to Cultural Anthropology

CHFD220 Human Sexuality

COLL112 Planning Your Future with Purpose in Business

COMM211 Social Media and Society

COMM240 Intercultural Communication

ECON201 Microeconomics for Business

ECON202 Macroeconomics for Business

EDUC200 Humane Education: A Global Interdisciplinary Perspective

GEOG101 Introduction to Geography

HOSP110 Practical Food Safety and Awareness

IRLS210 International Relations I

LITR212 Forgotten America--Under Represented Cultures in American Literature

POLS101 Introduction to Political Science

POLS210 American Government I

PSYC101 Introduction to Psychology

RELS250 Death and Dying

RELS260 Race &amp; Religion

RELS270 Hope and Resilience

SOCI111 Introduction to Sociology

SOCI212 Social Problems

SOCI220 American Popular Culture

STEM280 Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120 Information and Digital Literacy

3

ENGL110 Making Writing Relevant

3

Select 1 course from the following:

3

COMM200 Public Speaking

ENGL101 Proficiency in Writing

ENGL115 Argumentation and Rhetoric

ENGL210 Introduction to Literature

ENGL220 Technical Writing

ENGL221 Scientific Writing

ENGL226 Effective Business Communication

HRMT101 Human Relations Communication

IRLS200 Information Literacy and Global Citizenship

ITCC231 Introduction to Information Technology Writing

MGMT100 Human Relations

**History (3 semester hours)**

Select 1 course from the following:

3

HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH110	College Algebra	3
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (27 semester hours)

Code	Title	Semester Hours
MGMT101	Principles of Supervision	3
BUSN100	Basics of Business	3
ACCT105	Accounting for Non Accounting Majors	3
BUSN250	Analytics I	3
EDMG220	Emergency Planning	3
MGMT310	Principles and Theory of Management	3
MGMT312	Leadership & Motivation	3
MATH302	Statistics	3
BUSN311	Law and Ethics in the Business Environment	3
Total Semester Hours		27

Students must choose a concentration for this degree program and may select from a Concentration in Logistics and Supply Chain Management, Concentration in Management of Information Systems, Concentration in Project Management, Concentration in Technical Management, or Concentration in Technical Resource Management.

## Concentration in Logistics and Supply Chain Management (15 semester hours)

The concentration in Logistics and Supply Chain Management introduces the student to the common logistical and supply chain management functions in an enterprise. Students will learn about a broad range of topics including logistics, demand, risk, and supply chain management.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Evaluate the practices and processes required for successful logistics management.
- Develop strategic planning skills, using a broad range of logistics and supply chain management tools, to solve complex business problems.
- Analyze the critical role supply chain and logistics management play within organizations.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
SCMG301	Supply Chain Risk Management	3
SCMG305	Global Demand Management	3
TLMT313	Supply Chain Management	3
TLMT341	Logistics Management	3
TLMT441	Advanced Business Logistics	3
Total Semester Hours		15

## Concentration in Management of Information Systems (15 semester hours)

The management of information systems concentration introduces the student to the common database management systems used in business and management. Students will study the common management information systems (MIS) architecture, databases, local area networks, and network security. Students will focus on management research, including collection and analysis of data, and communication of findings by using qualitative and quantitative research methods.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Evaluate the most common management information systems.
- Develop a broad working knowledge of the most common local area networks, management information systems, and database systems.
- Analyze network and security threats.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
BUSN350	Analytics II	3
INFO331	Management Information Systems	3
INFO222	Database Concepts	3
ISSC231	Networking Concepts	3
ISSC422	Information Security	3
Total Semester Hours		15

## Concentration in Project Management (15 semester hours)

The project management concentration prepares the student to identify and solve technical management projects that rely upon systems and technology in the fast-changing business and management environments. The students will focus on project management, budget development, management information systems, Microsoft Project manager applications, and organizational behavior.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Evaluate the practices and processes required to be a successful technical management project manager.
- Develop strategic planning skills, using a broad range of technical management tools, to solve complex project problems.
- Analyze the critical role project manager's play in the technical management workplace.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
BUSN333	Project Management for Business Analysts	3
FINC405	Budget Development and Execution	3
INFO331	Management Information Systems	3
ITMG223	IT Project Management Using Microsoft Project®	3
MGMT311	Organizational Behavior	3
Total Semester Hours		15

## Concentration in Technical Management (15 semester hours)

The technical management concentration introduces the student to the systematic approach to solving complex business and management problems. Students will focus on management research, including collection and analysis of data, and communication of findings by using qualitative and quantitative research methods.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Evaluate technical management systems.
- Develop a broad knowledge of technical management.
- Analyze technical management/business management problems.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
FINC400	Principles of Financial Management	3
INFO331	Management Information Systems	3
ITMG223	IT Project Management Using Microsoft Project®	3
MGMT410	Strategic Management	3
TLMT313	Supply Chain Management	3
Total Semester Hours		15



## Concentration in Technical Resource Management (15 semester hours)

The technical resource management concentration introduces the student to the systematic approaches to solving technical systems problems. Students will learn to identify cost-savings, logical approaches to dealing with increasing business and management resource demands. Students will also focus on business critical thinking strategies, financial management, budget development, and human resource development.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Evaluate organizational technical management problems.
- Develop proficiency in handling complex technical development concepts, to include the latest computer software tools and technologies.
- Analyze project scheduling and resource management functions.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
BUSN333	Project Management for Business Analysts	3
BUSN410	Critical Thinking Strategies for Business Decisions	3
FINC400	Principles of Financial Management	3
FINC405	Budget Development and Execution	3
HRMT407	Human Resource Management	3
Total Semester Hours		15

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
MGMT495	Senior Seminar in Management (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

### Elective Requirements (45 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		45
Total Semester Hours		45

# Bachelor of Arts in Business

The Bachelor of Arts in Business focuses on producing well-rounded graduates who possess knowledge from a variety of disciplines, a solid understanding of business principles, and critical thinking skills. Students will study a core curriculum of management, marketing, law, finance, accounting, and economics, while having the flexibility to apply previously earned course credits and select elective courses from within the Dr. Wallace E. Boston School of Business that meet personal interests and goals. This business program is designed to provide flexibility and affordability, and is applicable for careers in any number of business, government, military, or other professions.

This program offers the opportunity to learn from experienced instructors who have considerable managerial experience in Fortune 500 companies, and to communicate with fellow business students by participating in online community forums.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

*ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.*

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Discuss economic factors associated with government, business, and consumer environments and apply theoretical techniques to analyze markets.
- Apply concepts of contract, tort, Uniform Commercial Code (UCC), and property law to business situations.
- Articulate the external and internal environments of a business organization and formulate appropriate strategies in the context of competitive forces and environmental factors.
- Collect information through the use of various data tools and apply critical thinking concepts to enhance business problem solving capabilities.
- Practice quantitative skills necessary in business organizations through work in accounting, finance, and statistics.
- Integrate market and marketing information into a strategic plan.
- Explain and apply fundamental accounting and financial management operations to enhance business decision making processes.
- Apply management, human resource, and personnel practices to organizational problem solving.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	21
	Final Program Requirements	3
	Elective Requirements	66
	Total Semester Hours	120

# Degree Program Requirements

## General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
Select 1 course from the following:		3
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	

ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL112	Planning Your Future with Purpose in Business	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL226	Effective Business Communication	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH110	College Algebra	3
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	

BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines

Total Semester Hours 30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (21 semester hours)

Code	Title	Semester Hours
MGMT101	Principles of Supervision	3
BUSN100	Basics of Business	3
ACCT105	Accounting for Non Accounting Majors	3
MKTG201	Fundamentals of Marketing	3
MATH302	Statistics	3
BUSN311	Law and Ethics in the Business Environment	3
BUSN410	Critical Thinking Strategies for Business Decisions	3

Total Semester Hours 21

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
BUSN499	Senior Seminar in Business Administration <sup>1</sup>	3

Total Semester Hours 3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

## Elective Requirements (66 semester hours)

Code	Title	Semester Hours
Students must select 24 semester hours from the following prefixes: ACCT, ANLY, BUSN, DEFM, ECON, ENTR, FINC, HOSP, HRMT, MGMT, MKTG, RLMT, RTMG, SCMG, and TLMT. Select remaining semester hours from any courses that have not been used to fulfill other program requirements.		66
Total Semester Hours		66

# Bachelor of Arts in Communication

The Bachelor in Arts in Communication prepares students to become communication professionals by creating clear, concise, and content rich messages in a diverse and ever changing world. Courses in the degree include public speaking, small group, interpersonal, and mass communication, theory and research, communication ethics, social media, and students can choose between a concentration in strategic communication or digital communication and media design. Graduates of this program will have knowledge applicable to the public or private sector.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the Communication discipline and its central questions.
- Employ communication theories, perspectives, principles, and concepts.
- Engage in communication inquiry.
- Create messages appropriate to the audience, purpose, and context.
- Critically analyze messages.
- Demonstrate the ability to accomplish communicative goals (self-efficacy).
- Apply ethical communication principles and practices.
- Utilize communication to embrace difference.
- Influence public discourse.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	42
	Select one of the following concentrations:	18
	Digital Communication and Media Design (p. 186)	
	Strategic Communication (p. 186)	
	Final Program Requirements	3
	Elective Requirements	27
	Total Semester Hours	120

# Degree Program Requirements

## General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	

COLL111	Planning Your Future with Purpose in Humanities & Education	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
ENGL220	Technical Writing	
ENGL226	Effective Business Communication	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	



MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (42 semester hours)

Code	Title	Semester Hours
COMM101	Introduction to Communication	3
COMM200	Public Speaking	3
COMM211	Social Media and Society	3
COMM240	Intercultural Communication	3
COMM250	Mass Communication	3
COMM280	Ethics in Communication	3
COMM300	Communication Research Skills	3
COMM304	Communication Theory	3
Select 6 courses from the following:		18
COMM210	Communication and Gender	
COMM220	Small Group Communication	
COMM255	Digital Tools and Media in Communication	
COMM285	Interpersonal Communications	
COMM350	Journalism	
COMM400	Persuasive Communication	
COMM401	Conflict and Communication	
COMM402	Media Law	
MKTG304	Public Relations	
MKTG305	Advertising	
Total Semester Hours		42

Students must choose a concentration for this degree program and may select from a Concentration in Digital Communication and Media Design or a Concentration in Strategic Communication.

## Concentration in Digital Communication and Media Design (18 semester hours)

The digital communication and media design concentration prepares students to know how to communicate in the ever-changing digital landscape. This concentration will give students the skills to understand how analytics relate to communication, the role of big data and communication, the importance of web, mobile, and visual communication, and how to build a digital presence.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Develop, design, implement, and use, digital communication and media technologies;
- Critically evaluate the communication needs of a target audience using communication analytics;
- Understand and use all available web, mobile, and social media platforms to best communicate with an intended audience;
- Gain tools and insights into the complex and ever changing digital communication landscape for long-term success.

### Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
COMM356	Digital Communication and Media Design Principles	3
COMM365	Communication Analytics	3
COMM375	Web and Mobile Communication	3
COMM385	Visual Communication	3
COMM415	Building a Digital Presence	3
COMM456	Digital Communication and Media Design Career Management and Future Technologies	3
Total Semester Hours		18

## Concentration in Strategic Communication (18 semester hours)

The strategic communication concentration prepares students to be a communication leader in their institution or organization. This concentration will give students the skills to create a communication strategy that includes input from stakeholders, considers the diversity and uniqueness of the target audience, is flexible and nimble, and uses all available communication platforms to deliver a well-crafted and professional message.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Develop, design and implement communication strategies;
- Critically evaluate the communication needs of a target audience using communication analytics;
- Use persuasive, informative, and inclusive language to reach the widest possible audience;
- Gain tools and insights into the complex and ever changing communication landscape for long-term strategic communication success.

### Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
COMM351	Strategic Communication	3
COMM360	Inclusive Communication	3
COMM370	Situational Communication	3
COMM380	Communication of Listening	3
COMM410	Leadership Communication	3
COMM450	Strategic Communication Career Management and Ethics	3
Total Semester Hours		18

### Final Program Requirement (3 semester hours)

Code	Title	Semester Hours
COMM498	Capstone <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

### Elective Requirements (27 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		27
Total Semester Hours		27

# Bachelor of Arts in Computer Science

The Bachelor of Arts in Computer Science comprises a rigorous, broad curriculum, including topics in algorithms and data structures, machine architecture, software development. A wide variety of additional topics are covered, such as philosophy, literary theory, and digital arts. Students will have a foundational program of study in computer science and gain interdisciplinary breadth via selected courses in the humanities. This program is designed to prepare individuals for professional contributions in traditional computer science areas and new fields involving increased application of computer science, such as digital humanities, media and communication, and interactive design. This degree program can also prepare students for graduate study.

This program has specific admission requirements.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- Communicate effectively in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in activities appropriate to the computer science discipline.
- Apply computer science theory and software development fundamentals to produce computing-based solutions.

## Programmatic Admission Requirements

For admission to the BA of Computer Science, applicants must have completed preparation in mathematics equivalent to pre-calculus or higher. A review of high school or college transcripts showing completion of this requirement will be conducted during the admission process.

Please visit our AMU (<https://www.amu.apus.edu/admissions/undergraduate-requirements.html>) or APU (<https://www.apu.apus.edu/admissions/undergraduate-requirements.html>) undergraduate admission page for more information on institutional admission requirements.

## Need help?

If you have questions regarding a program's admission requirements, please contact an Admissions Coach at 877-755-2787 or [info@apus.edu](mailto:info@apus.edu).

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	66
	Select one of the following concentrations:	18
	Artificial Intelligence (p. 191)	
	Communications (p. 192)	
	Final Program Requirements	6
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours)<sup>1</sup></b>		
STEM270	Thinking and Acting Ethically	3
Select 1 courses from the following:		3
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
<b>Civics, Political and Social Sciences (6 semester hours)</b>		
STEM280	Exploring Society and Cultures via Science Fiction	3
Select 1 courses from the following:		3
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	

CHFD220	Human Sexuality	
COLL114	Planning Your Future with Purpose in STEM	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
STEM185	The History and Context of STEM	3
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH225	Calculus	3
<b>Natural Sciences (3 semester hours)</b>		
STEM100	Introduction to STEM Disciplines	3
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (66 semester hours)

Code	Title	Semester Hours
MATH210	Discrete Mathematics	3
ENGL235	Take on the World: An Introduction to Linguistics	3
MATH220	Linear Algebra	3
COMM255	Digital Tools and Media in Communication	3
CSCI140	Introduction to Programming	3
PHIL101	Introduction to Philosophy	3
IRLS200	Information Literacy and Global Citizenship	3
CSCI240	Algorithms and Data Structures I	3
CSCI230	Machine Architecture and Organization	3
CSCI220	Operating Systems I	3
MATH302	Statistics	3
CSCI315	User Interface and Experience Design	3
CSCI340	Program Design and Development	3
CSCI345	Algorithms and Data Structures II	3
PHIL300	Logic	3
CSCI360	Introduction to Database Systems	3
CSCI325	Design for the Web	3
CSCI335	Web Applications Programming	3
CSCI415	Information Visualization	3
CSCI425	Information Systems Development	3
CSCI440	Principles of Programming Languages	3
STEM380	Coevolution of Society, Culture, and Technology	3
Total Semester Hours		66

Students must choose a concentration for this degree program and may select from a Concentrations in Artificial Intelligence or Concentration in Communications.

## Concentration in Artificial Intelligence (18 semester hours)

The Artificial Intelligence concentration teaches students how to design computing systems with a focus on humanity. The concentration focuses on exploring the societal consequences of rapidly emerging artificial intelligence systems, integrating a humanities viewpoint with technological analyses. The concentration offers a unique context and a shared vocabulary for interpreting the impact of technical developments in artificial intelligence on society. The uniqueness comes from integrating a humanities viewpoint with a technological analysis, using literary interpretation methods to analyze the social effects of AI systems.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze data and perform predictions using machine learning methods.
- Understand data collection, including data wrangling, cleaning, and sampling to get a suitable data set.
- Understand data management in order to access data quickly and reliably.
- Understand exploratory data analysis, generating hypotheses and building intuition.
- Understand communication, summarizing results through visualization, stories, and interpretable summaries.

- Gain practical knowledge of predictions and statistical learning.
- Create web-based complex projects as a member of a team.

### Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
CSCI381	Machine Learning	3
PSYC304	Perception	3
CSCI484	Introduction to Artificial Intelligence	3
CSCI486	Deep and Reinforcement Learning	3
CSCI336	Topics in Computer Vision	3
STEM471	Analytics, Algorithms, AI, and Humanity	3
Total Semester Hours		18

### Concentration in Communications (18 semester hours)

The Communications concentration provides insight into the role of communication in a wide range of settings. The concentration focuses on unique domains. Students take courses not only about misinformation and disinformation, but also on web, graphic arts, information systems, security, and ethics. Students learn professional work practices, while emphasizing both theories and principles that focus on quality, effectiveness, and security of information. Students also learn how new media impacts our interaction and communication. Students also consider available mechanisms to address current challenges.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Effectively use design tools to create attractive visual compositions
- Understand the key design and human perception principles
- Understand the importance of cognition in visualization design
- Apply structured design processes for data exploration, analysis, and storytelling
- Focus on tools and available techniques for designing effective visuals
- Use criticism and critical evaluation, giving suggestions, and proposing improvements
- Work constructively on complex projects as part of a team
- Use creative thinking in challenging scenarios of high-dimensional data
- Explore different communication spaces (print, phone, desktop, VR, and AR)

### Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
COMM356	Digital Communication and Media Design Principles	3
COMM280	Ethics in Communication	3
COMM375	Web and Mobile Communication	3
CSCI471	Software Engineering	3
CSCI452	Cybersecurity/Cyber Defense	3
STEM470	Cybersecurity, Surveillance, Privacy and Ethics	3
Total Semester Hours		18



## Final Program Requirements (6 semester hours)

Code	Title	Semester Hours
CSCI498	Senior Project Design	3
CSCI499	Senior Project Implementation	3
Total Semester Hours		6

# Bachelor of Arts in Criminal Justice

The Bachelor of Arts in Criminal Justice provides you with sound knowledge in the areas of U.S. law enforcement, criminology, investigations, law, and community relations. A wide range of course offerings enable you to focus on juvenile issues, causes of crime and criminal behavior, corrections and incarceration, investigative procedures and techniques, leadership, maritime law, or forensics. This bachelor’s degree will complement your professional career path if you are currently in the criminal justice field, or can provide a good foundation for those interested in the fields of criminology, agent, or investigator in federal, state or local law enforcement, judicial, and other organizations.

Our criminal justice programs are among the most popular at the university, bringing you peer interactions and an expanded network of criminal justice professionals who are dedicated to safeguarding their communities and nation. Courses in this program are taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or criminal justice organizations.

Note: for a more in-depth study in forensics, consider our Criminal Justice B.S. degree.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

### Criminal Justice Administration and Organization

- Recognize and explain the major international, U.S., and localized law enforcement systems and organization.
- Describe and analyze the political and public administrative aspects of law enforcement organizations.

### Criminal Justice Theories and Concepts

- Communicate and apply the major theories and concepts of crime, criminal justice, and criminology.
- Conduct research associated with criminal justice and criminology theories.

### Criminal Justice Operations, Practices, and Processes

- Assess the operations, practices, and processes associated with leading standards of evidence and law.

While learning objectives that are specific to the academic discipline have been identified for each degree program, the University System also outlines general education outcomes (Level 1 and 2) that are sought throughout the institution and at each degree level.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	27
	Select one of the following concentrations:	15
	General Concentration (p. 198)	
	Entrepreneurship (p. 198)	
	Maritime Law Enforcement (p. 199)	
	Organizational Law Enforcement Leadership (p. 199)	
	Final Program Requirements	3

Elective Requirements	45
Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	

ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL115	Planning Your Future with Purpose in Security & Global Studies	
COMM211	Social Media and Society	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	

HIST221	African-American History before 1877
HIST222	African-American History since 1877
HIST223	History of the American Indian
HIST270	History of Science
STEM185	The History and Context of STEM

**Mathematics and Applied Reasoning (3 semester hours)**

Select 1 course from the following: 3

ACCT105	Accounting for Non Accounting Majors
ENTD200	Fundamentals of Programming
MATH110	College Algebra
MATH111	College Trigonometry
MATH112	Pre-Calculus
MATH120	Introduction to Statistics
MATH125	Math for Liberal Arts Majors
MATH225	Calculus

**Natural Sciences (3 semester hours)**

Select 1 course from the following: 3

BIOL180	Introduction to Biology
BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines

Total Semester Hours 30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

**Major Required (27 semester hours)**

Code	Title	Semester Hours
CMRJ302	U.S. Law Enforcement	3
CMRJ303	Criminology	3
CMRJ306	Criminal Investigation	3
SSGS300	Research Design and Methods	3
CMRJ308	Ethics in Criminal Justice	3
CMRJ316	Corrections and Incarceration	3
LSTD301	Constitutional Law	3
LSTD302	Criminal Law	3
LSTD400	Criminal Legal Process	3
Total Semester Hours		27

Students must choose a concentration for this degree program and may select from the General Concentration, Concentration in Entrepreneurship, Concentration in Maritime Law Enforcement, or the Concentration in Organizational Law Enforcement Leadership.

## General Concentration Requirements (15 semester hours)

This general concentration allows you to select from many different concentration courses offered within this program, enabling you to create your own focused area of study.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
Select 5 courses from the following:		15
ANTH203	Introduction to Forensic Anthropology	
CMRJ100	Introduction to Law Enforcement	
CMRJ101	Evidence and Procedures	
CMRJ201	Criminal Justice Administration	
CMRJ202	Stress Management in Law Enforcement	
CMRJ203	Patrol Methodologies & Community Policing	
CMRJ205	Rape and Sexual Violence	
CMRJ206	Juvenile Delinquency	
CMRJ320	Law Enforcement Intelligence Applications	
CMRJ324	The History of Organized Crime	
CMRJ329	Criminal Profiling	
CMRJ335	Crime Analysis	
CMRJ341	Criminalistics	
CMRJ401	Human Trafficking	
CMRJ402	The Pathology of Death Investigations	
COMM240	Intercultural Communication	
COMM285	Interpersonal Communications	
EDMG230	Emergency and Disaster Incident Command	
INTL411	International Criminal Organizations	
INTL431	Criminal Intelligence Analysis	
LSTD204	Introduction to the Courts	
LSTD453	Evidence	
SCMT319	Global Terrorism	
SCMT370	Principles and Theory of Security Issues	
Total Semester Hours		15

## Concentration in Entrepreneurship (15 semester hours)

Brings the knowledge, skills, and abilities of the entrepreneur or small business owner to the study of Criminal Justice. Examines key concepts and principles of the successful small business owner including leadership practices, idea feasibility, funding, and customer service.

**Concentration Requirements (15 semester hours)**

Code	Title	Semester Hours
ENTR150	Idea Generation	3
ENTR200	Leadership in Small Business Ventures	3
ENTR312	Social Entrepreneurship	3
ENTR315	Financing a New Venture	3
ENTR340	Small Business Customer Service	3
Total Semester Hours		15

**Concentration in Maritime Law Enforcement (15 semester hours)**

Analyzes policy and operational strategies used to ensure the security of border and coastal access including defensive measures to protect ports from disruption. Explores laws and doctrines governing navigation and shipping, as well as the law of the sea. Looks at chemical, biological, and radiological classification and response to incidents involving hazardous materials.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Analyze various policy and operational strategies used to ensure the security of border and coastal access.
- Examine ports to trade and their vulnerability to disruption and attack, as well as defensive measures to protect ports from disruption.
- Identify chemical, biological, and radiological bases for classification of, and emergency response to incidents involving, hazardous material.
- Assess the impact of terrorism on U.S. national security.
- Explore the laws and doctrines governing navigation and shipping, as well as the law of the sea.

**Concentration Requirements (15 semester hours)**

Code	Title	Semester Hours
EDMG240	Chemistry of Hazardous Materials	3
HLSS311	Border and Coastal Security	3
HLSS312	Port Security	3
INTL451	Terrorism and U.S. National Security	3
LSTD401	Maritime Law	3
Total Semester Hours		15

**Concentration in Organizational Law Enforcement Leadership (15 semester hours)**

Provides a solid foundation in the leadership process and its benefits to law enforcement, including identifying one's personal style, judging the value of diversity in leadership roles, and making socially responsible decisions. Topics include gender roles in leadership, conflict resolution, human resource innovation in the workplace, budgeting, and managing an organization during a paradigm shift.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Identify your personal leadership style and explain the benefits of your leadership style on the organization.
- Analyze necessary organizational leadership skills in given situations and prepare a plan of action for improving organizational leadership abilities.
- Contrast the value of diversity and apply its strengths in leadership roles.
- Develop critical thinking skills about decisions in a manner that is socially responsible and responsive.
- Demonstrate a persuasive and collaborative approach which encourages a teaming environment.
- Employ organizational accountability to build innovative organizations that respond to ever changing environments.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
FINC405	Budget Development and Execution	3
HRMT407	Human Resource Management	3
HRMT411	Dispute Resolution	3
MGMT312	Leadership & Motivation	3
MGMT313	Organizational Change	3
Total Semester Hours		15

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
CMRJ499	Senior Seminar in Criminal Justice (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

### Elective Requirements (45 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		45
Total Semester Hours		45



# Bachelor of Arts in Emergency and Disaster Management

The Bachelor of Arts in Emergency and Disaster Management offers a practical education aimed at emergency management and public safety. It introduces you to the all-hazards approach and provides an in-depth understanding of risk assessment, hazard identification, prevention and management techniques, the multiple phases of emergency and disaster management, and counterterrorism. It also covers the prevention, management, mitigation, and recovery from man-made and natural disasters. From the smallest incident to the largest catastrophe, our emergency and disaster management program stresses the fact that all disasters are local, which is a foundational emergency management concept. Many courses within the program offer laboratory simulations that build upon one another across the curriculum to reflect events and scenarios that you might encounter in the real world of emergency management. The simulations will provide you with an opportunity to become familiar with a true-to-life disaster scenario, working with tools used in the field.

This program is taught by highly credentialed and experienced instructors, many of whom are board-certified emergency managers (CEM) or hold key positions in government agencies or national safety and security organizations. This program is accredited by the International Fire Service Accreditation Congress (IFSAC®) (<https://amu.apus.edu/aboutus/accreditation.html#ifsac>).

The mission of the Bachelor in Emergency and Disaster Management program is to prepare students at the journeyman level by providing an in-depth understanding of the theories and best practices associated with effective protection of the public in emergency situations and enabling graduates to assume leadership roles in emergency planning, mitigation, response and recovery, and adaptation functions.

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## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Identify the goals of disaster management from prevention/reduction of loss due to hazards, disasters, and emergencies.
- Differentiate between response strategies for the various emergency and disaster incidents.
- Examine the phases of the cycle of disasters.
- Compare and contrast the roles and responsibilities of the individuals and agencies in an emergency and disaster incident.
- Analyze factors and coping strategies involved in emergencies and disasters.
- Demonstrate emergency and disaster preparedness from planning to recovery.

While learning objectives that are specific to the academic discipline have been identified for each degree program, the University System also outlines general education outcomes (Level 1 and 2) that are sought throughout the institution and at each degree level.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	36
	General Concentration (p. 204)	24
	Final Program Requirements	3
	Elective Requirements	27
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	

COLL115	Planning Your Future with Purpose in Security & Global Studies	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL115	Argumentation and Rhetoric	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	

MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
ERSC180	Introduction to Meteorology	3
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (36 semester hours)

Code	Title	Semester Hours
EDMG101	Introduction to Emergency Management	3
EDMG220	Emergency Planning	3
EDMG230	Emergency and Disaster Incident Command	3
EDMG259	Hazard Mitigation and Preparedness	3
SSGS300	Research Design and Methods	3
EDMG320	Natural Disaster Management	3
EDMG321	Social Media Application to Emergency and Disaster Management	3
EDMG330	Managerial Issues in Hazardous Materials	3
EDMG340	Consequence Management	3
EDMG420	Risk Communications	3
PSYC431	Psychology of Disaster	3
HLSS302	Introduction to Homeland Security and Defense	3
Total Semester Hours		36

## General Concentration (24 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
Select 8 courses from the following:		24
EDMG240	Chemistry of Hazardous Materials	
GEOG200	Fundamentals of Geographic Information Systems I	
GEOG201	Fundamentals of Geographic Information Systems II	
HLSS154	Mind of a Terrorist	
HLSS211	Emergency Response to Terrorism	
HLSS212	Chemical, Biological, and Radiological Hazards	
HLSS215	Regulatory Issues in Weapons of Mass Destruction	
HLSS230	Chemistry of Explosives	
HLSS231	History of Explosive Ordnance Disposal	
HLSS232	Electronics, Electricity, and Explosives	
HLSS233	Explosive Incident Assessment: Methods, Practices, Protocols	
HOSP110	Practical Food Safety and Awareness	
PSYC201	Introduction to Social Psychology	
SCMG201	Principles of Supply Chain Management	

BUSN340	Operational Crisis Management
BUSN341	Operational Business Continuity
BUSN343	Operational Emergency Preparedness
CMRJ320	Law Enforcement Intelligence Applications
EDUC340	Adult Learning Theory
EDUC401	Curriculum Design
HLSS303	Homeland Security Risk, Threats and Consequences
HLSS310	Critical Infrastructure Protection
HLSS311	Border and Coastal Security
HLSS312	Port Security
HRMT407	Human Resource Management
INTL440	Cyber Warfare
ISSC422	Information Security
ISSC452	Cybersecurity
LSTD300	Administrative Law and Policy
MGMT312	Leadership & Motivation
MGMT313	Organizational Change
PBHE413	Special Operations in Emergency Medical Services
PBHE426	Quarantine
PBHE427	Epidemiology
POLS410	Public Policy
PSYC360	Psychology of Terrorism
RLMT301	Introduction to Reverse Logistics Management
SCMG301	Supply Chain Risk Management
SCMT319	Global Terrorism
SCMT397	Physical Security
STEM470	Cybersecurity, Surveillance, Privacy and Ethics
TLMT311	Introduction to Transportation Management
TLMT312	Transportation Economics
TLMT313	Supply Chain Management
TLMT381	Hazardous Materials Management

Total Semester Hours

24

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
EDMG498	Senior Seminar in Emergency & Disaster Mgmt. <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (27 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		27
Total Semester Hours		27

# Bachelor of Arts in English

A bachelor’s degree in English from American Public University System (APUS) will help you organize and articulate your thoughts in speech and writing, helping you achieve personal and professional success. You will not only gain skills that help to prepare you for the workplace but you will also build confidence in your ability to communicate effectively and efficiently in all situations.

The English department provides students with courses in Composition, Professional Writing, Linguistics, and World, British, and American Literature. Through a carefully planned program of planned and elective courses, you will hone your professional and personal communication skills by learning to investigate, analyze, and synthesize information. The program culminates in a final senior seminar where you will create your own work of academic research.

Our faculty are not only teachers; they are also active members of their professional fields and organizations. Among them are scholars, novelists, editors, poets, journalists, and bloggers, and as a student, you will have the ability to regularly interact with them. The Trefry Library at APUS gives you 24/7 access to the world with thousands of books and journals, media sources, and research guides. The English department at APUS welcomes you to our family.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Articulate ideas effectively and efficiently in speech and in writing.
- Demonstrate the ability to use a variety of critical theories in the analysis and synthesis of text.
- Analyze themes, multiple interpretations, and critical connections in texts.
- Assess diverse perspectives that challenge personal cultural experiences and expectations.
- Create texts of critical thought by integrating diverse viewpoints.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	30
	Select one of the following concentrations:	18
	General Concentration (p. 211)	
	Literature (p. 212)	
	Writing and Communication (p. 213)	
	Final Program Requirements	3
	Elective Requirements	39
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	



COLL111	Planning Your Future with Purpose in Humanities & Education	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL101	Proficiency in Writing	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL110	Making Writing Relevant	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	

HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (30 semester hours)

Code	Title	Semester Hours
ENGL210	Introduction to Literature	3
ENGL235	Take on the World: An Introduction to Linguistics	3
ENGL402	WordPlay: A Biography of the English Language	3
LITR319	Society, Identity and Politics: Contemporary Topics in Critical Theory	3
LITR410	All of the World's a Stage: Differences in the Dramatic World of Shakespeare	3
Select 1 course from the following:		3
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
Select 1 course from the following:		3
LITR350	America's Genre: The Art and Genius of the Short Story	
LITR403	The Work and Life of Ernest Hemingway	
LITR408	Mark Twain: The Voice of American Literature	
Select 1 course from the following:		3
LITR315	British Poetry from Blake to the Beatles	

LITR354	American Poetry from Bradstreet to Bukowski	
Select 2 courses from the following:		6
LITR311	Monsters, Heroes, Romance, and the Human Condition Through the Centuries	
LITR315	British Poetry from Blake to the Beatles	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
Total Semester Hours		30

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Literature, or Concentration in Writing and Communication.

## General Concentration (18 semester hours)

The General concentration allows you to choose your own focused area of study. You will select six (6) courses from among World, British, and American literatures and from a wide variety of offerings in professional and creative writing.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Attain a wide breadth of knowledge in analyzing and synthesizing texts.
- Compose texts that incorporate diverse perspectives through critical analysis and evaluation.

### Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
Select 6 courses from the following:		18
<i>British Literature</i>		
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR311	Monsters, Heroes, Romance, and the Human Condition Through the Centuries	
LITR315	British Poetry from Blake to the Beatles	
<i>American Literature</i>		
LITR212	Forgotten America--Under Represented Cultures in American Literature	
LITR350	America's Genre: The Art and Genius of the Short Story	
LITR354	American Poetry from Bradstreet to Bukowski	
LITR357	The Past is Always Tense: Contemporary African-American Literature	
LITR403	The Work and Life of Ernest Hemingway	
LITR408	Mark Twain: The Voice of American Literature	
<i>World Literature</i>		
LITR331	Gothic Literature - Nightmare Creators from Lord Byron to Anne Rice	
LITR333	Women Writers: Finding a Voice, Sharing a Vision and Establishing Identity	
LITR335	Exploring Relationships through Folk Narrative	
LITR338	Voices Calling for Identity: Spanish-American Literature from the 19th Century	
LITR339	Flowers Bloom in the Desert: Literature of the Middle East	

Writing	
ENGL125	Introduction to Creative Writing
ENGL220	Technical Writing
ENGL221	Scientific Writing
ENGL226	Effective Business Communication
ENGL320	Freelance Writing
ENGL322	The Personal Essay
ENGL420	Advanced Creative Writing
Total Semester Hours	
18	

## Concentration in Literature (18 semester hours)

The Literature concentration focuses on developing analysis and synthesis skills. Through the examination of diverse viewpoints in the chosen literature, you will be exposed to the ideas of great thinkers, you will widen your perspective of the world in general, and you will develop the ability to defend spoken and written arguments using primary source. You should take at least one (1) course from each of the World, British, and American offerings, and it is strongly recommended that you take the three (3) remaining from *either* the World, British, or American offerings.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Explore the themes, multiple interpretations, and critical connections within American, British, and World literatures.
- Critique literary texts using analysis and synthesis.
- Formulate critical insights from texts and articulate them in speech and in writing.

### Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
Select 6 courses from the following:		18
<i>British Literature</i>		
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR311	Monsters, Heroes, Romance, and the Human Condition Through the Centuries	
LITR315	British Poetry from Blake to the Beatles	
<i>American Literature</i>		
LITR212	Forgotten America--Under Represented Cultures in American Literature	
LITR350	America's Genre: The Art and Genius of the Short Story	
LITR354	American Poetry from Bradstreet to Bukowski	
LITR357	The Past is Always Tense: Contemporary African-American Literature	
<i>World Literature</i>		
LITR331	Gothic Literature - Nightmare Creators from Lord Byron to Anne Rice	
LITR335	Exploring Relationships through Folk Narrative	
LITR338	Voices Calling for Identity: Spanish-American Literature from the 19th Century	
LITR339	Flowers Bloom in the Desert: Literature of the Middle East	
Total Semester Hours		18

## Concentration in Writing and Communication (18 semester hours)

The Writing and Communication concentration focuses on developing your articulation skills through practice of the writing process. This concentration gives you the opportunity to focus on five (5) professional and/or creative writing courses and one (1) course of literature that highlights writing-in-practice. You will have the opportunity to develop a portfolio of practical and professional writing.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine effective and efficient written and oral communication across industries.
- Interpret diverse viewpoints in written communication.
- Create professional texts that conform to industry-specific expectations and facilitate communication.

### Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
Select 5 courses from the following:		15
COLL300	Research, Analysis, and Writing	
COMM350	Journalism	
ENGL125	Introduction to Creative Writing	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
ENGL320	Freelance Writing	
ENGL322	The Personal Essay	
ENGL420	Advanced Creative Writing	
Select 1 course from the following:		3
LITR333	Women Writers: Finding a Voice, Sharing a Vision and Establishing Identity	
LITR350	America's Genre: The Art and Genius of the Short Story	
Total Semester Hours		18

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
ENGL498	Senior Seminar in English (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (39 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		39
Total Semester Hours		39

# Bachelor of Arts in Entrepreneurship

The Bachelor of Arts in Entrepreneurship offers you a practical, hands-on understanding of what it takes to be a successful entrepreneur in today's competitive marketplace. You'll learn about leveraging business opportunities into viable business entities as you study idea generation, marketing, management, operations, capital funding, and the legal aspects of beginning a new venture. This bachelor's degree program is ideal if you want to gain knowledge about starting your own venture, taking over a family-owned company, or working within a startup organization.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Identify strengths, weaknesses, opportunities, and threats in the product, service, or nonprofit environments.
- Design an appropriate business strategy to support an entrepreneurial business based on research, critical thinking, and leadership skills.
- Evaluate analytical skills necessary to operate a business efficiently and effectively that meet strategic planning and goals.
- Interpret concepts of contract, tort, Uniform Commercial Code (UCC), regulations, and employment law to entrepreneurial business enterprises.
- Recommend various methods necessary to grow an entrepreneurial venture through financial analysis and capital funding options.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	39
	Select one of the following concentrations:	12
	General Concentration (p. 218)	
	Business Analytics (p. 219)	
	Food and Beverage Industry (p. 219)	
	Small Business (p. 220)	
	Sports Fitness (p. 221)	
	Final Program Requirements	3
	Elective Requirements	36
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
	Arts and Humanities (6 semester hours) <sup>1</sup>	
	Select 2 courses from the following:	6
ARAB100	Arabic I	

ARAB101	Arabic II
ARTH200	Art Appreciation
ARTH240	Survey of Photography
ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL112	Planning Your Future with Purpose in Business
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
ECON201	Microeconomics for Business
ECON202	Macroeconomics for Business
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography



HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3

Select 1 course from the following: 3

COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	

**History (3 semester hours)**

Select 1 course from the following: 3

HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	

**Mathematics and Applied Reasoning (3 semester hours)**

MATH120	Introduction to Statistics	3
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**Natural Sciences (3 semester hours)**

Select 1 course from the following: 3

BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (39 semester hours)

Code	Title	Semester Hours
ACCT105	Accounting for Non Accounting Majors	3
ENTR150	Idea Generation	3
ENTR215	Innovation Design and Prototyping	3
ENTR210	Entrepreneurs as Leaders	3
ENTR300	Foundations of Entrepreneurship	3
ENTR311	Business Plan Foundations	3
ENTR427	Technological Innovation	3
ENTR320	Practical Law for the Entrepreneur	3
ENTR315	Financing a New Venture	3
ENTR410	Money Management for Entrepreneurs	3
ENTR426	Strategic Growth	3
ENTR416	Innovative Marketing	3
ENTR312	Social Entrepreneurship	3
Total Semester Hours		39

Students must choose a concentration for this degree program and may select from a General concentration, Concentration in Business Analytics, Concentration in Food and Beverage Industry, Concentration in Small Business, or Concentration in Sports Fitness.

## General Concentration (12 semester hours)

This concentration is designed to equip graduates with a practical, hands-on understanding of what it takes to run a successful business in today's business environment. Students will learn about leveraging and a variety of business opportunities into viable business entities. Studies include marketing, management, operations, finance, accounting, and the legal aspects of running a business. This concentration is applicable for any student who has a desire to start their own business, plans to take over a family owned business, or otherwise currently works in an entrepreneurial enterprise.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Discuss economic factors associated with government, business, and consumer environments and apply theoretical techniques to analyze markets.
- Apply concepts of contract, tort, Uniform Commercial Code (UCC), and property law to entrepreneurial business enterprises.
- Compose an entrepreneurial business strategy based on in depth analysis of internal and external factors and competitive and environmental forces.
- Apply critical thinking and decision-making skills by collecting data through various research tools in order to develop alternatives and solve problems objectively.
- Practice quantitative skills necessary in to grow an entrepreneurial business through work in accounting, finance, and statistics.
- Develop a marketing plan to support an entrepreneurial business that leverages its overall business strategy.
- Practice analytical skills necessary to operate a business efficiently and effectively.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
ENTR216	Service Innovation and Delivery	3
ENTR310	The Family Owned Business	3
ENTR313	Non-Profit Entrepreneurship	3
ENTR421	The Value of Networking	3
Total Semester Hours		12

### Concentration in Business Analytics (12 semester hours)

This concentration provides the student with an array of study and course work in business analytics, tools to use for analytics, decision-making, and applied analytics.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Compare operational statistical theories and software options for objective decision-making.
- Use managerial level statistical methods to integrate into objective decision-making processes.
- Apply analytical concepts to support decision-making.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN250	Analytics I	3
BUSN350	Analytics II	3
BUSN450	Advanced Analytics	3
ANLY460	Applied Analytics I	3
Total Semester Hours		12

### Concentration in Food and Beverage Industry (12 semester hours)

The restaurant industry is the second largest private-sector employer in the United States, and it adds jobs at a stronger rate than all other industries combined. By 2023, the restaurant industry is projected to add 1.3 million jobs (National Restaurant Association, 2015). In 2015 alone, restaurants

are expected to add over 300,000 jobs. Further, restaurant industry sales account for 4% of the U.S. gross GDP. Starting and owning their own food and/or drink establishment is one of the top three goals of our current entrepreneurship students.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Describe food service industry trends in nutrition and health and explain how food service operations may incorporate these trends into menu development
- Design and implement cost control systems as they relate to foodservice operations.
- Develop menus, and analyze recipes, their structures and conversion properties.
- Incorporate industry standards to inform decisions related to safe and efficient food service operations.

## Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
HOSP200	Food and Beverage Management	
HOSP202	Quantity Food Preparation	
HOSP207	Principles of Cost Control in Foodservice Operations	
HOSP304	Nutrition in the Food Service Industry	
HOSP316	History and Culture of Wine	
Total Semester Hours		12

## Concentration in Small Business (12 semester hours)

This concentration is designed for students who want to focus on possibly being a small business owner. Graduates examine leadership, customer service, operations, social media, and marketing specific to a small business. Developed to bring specialized knowledge to entrepreneurs, this program will expose students to key concepts and principles to be a successful small business owner.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Summarize employment practices for small business owners.
- Recommend a customer service model for a new small business.
- Conduct appropriate marketing functions for your business venture.
- Assess relevant areas for cost improvement for a small business.

## Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
ENTR200	Leadership in Small Business Ventures	
ENTR340	Small Business Customer Service	
ENTR415	Marketing the Successful Small Business	
ENTR420	Social Media to Grow Small Business	
ENTR425	Operating a Small Business	

ENTR430

Virtual Small Business

Total Semester Hours

12

## Concentration in Sports Fitness (12 semester hours)

The fitness industry is growing and many individuals express an interest in being an entrepreneur in this field. Research shows growth estimates ranging from 9.76 billion dollars in 2008 to a \$24 billion industry today. The fitness industry services some 51 million Americans of all ages and income levels. The fitness industry has been forecasted to grow 23% by 2025 and encompasses different types of gyms. Sports fitness is a growing industry due in part to increased awareness of health and wellness. In this concentration, students will focus on wellness, conditioning, trends, and culture.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Discuss factors affecting endurance training and methods for developing endurance.
- Examine the body's responses to weight training, training and conditioning, and strength training exercises.
- Analyze the health benefits gained from strength training.
- Apply concepts related to health promotion and disease prevention.
- Design a functional training program.
- Examine the issues and trends associated with fitness and wellness.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
PBHE209	Wellness: Health Promotion and Disease Prevention	
SPHE295	Foundations of Nutrition	
SPHE420	Exercise Programming and Testing	
SPHE460	Business Aspects of Fitness and Wellness	
SPHE461	Current Issues and Trends in Fitness and Wellness	
SPMT316	Sports and Recreation Facility Management	
Total Semester Hours		12

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
ENTR498	Entrepreneurship Senior Capstone (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (36 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		36
Total Semester Hours		36

# Bachelor of Arts in Government Contracting and Acquisition

The Bachelor of Arts in Government Contracting and Acquisition helps to prepare you for opportunities in the contract management profession, including government contracting within federal agencies or military and civilian defense establishments. In this online degree program, you'll complete simulation-based scenario assignments created from real-world case studies. This program takes advantage of the Contract Management Body of Knowledge (CMBOK®) as defined by the National Contract Management Association.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

*The CMBOK® is a registered trademark of the National Contract Management Association.*

*ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.*

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Explain the acquisition cycle and process, and the use and application of a contract audit.
- Explain contract requirements, types of contracts, and contingency contracting authorities and structure.
- Demonstrate how a Defense Contract Audit Agency audit report can be prepared to meet a negotiation objective, along with the workings of a competitive discussion.
- Explain the elements of cost in overhead, and calculate a price and cost objective using simple regression analysis, learning curve analysis, and statistics.
- Explain the FAR requirements for forward pricing rates, billing rates, and final overhead rates.
- Explain the Joint Theater Support Contracting Command (JTSCC).
- Explain ethics standards expected of government and contractor personnel, along with appropriate laws, regulations, and policies for a routine procurement.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	48
	Final Program Requirements	3
	Elective Requirements	39
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	

ARAB101	Arabic II
ARTH200	Art Appreciation
ARTH240	Survey of Photography
ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL112	Planning Your Future with Purpose in Business
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
ECON201	Microeconomics for Business
ECON202	Macroeconomics for Business
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography



HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3

Select 1 course from the following: 3

COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	

**History (3 semester hours)**

Select 1 course from the following: 3

HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	

**Mathematics and Applied Reasoning (3 semester hours)**

MATH120	Introduction to Statistics	3
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**Natural Sciences (3 semester hours)**

Select 1 course from the following: 3

BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (48 semester hours)

Code	Title	Semester Hours
ACCT105	Accounting for Non Accounting Majors	3
BUSN100	Basics of Business	3
COLL300	Research, Analysis, and Writing	3
BUSN333	Project Management for Business Analysts	3
DEFM305	Acquisition Business Management	3
DEFM310	Program and Acquisition Management I	3
DEFM311	Program and Acquisition Management II	3
DEFM312	Defense Budget Development and Execution	3
DEFM410	Program Appraisal	3
DEFM415	Acquisition Test & Evaluation	3
DEFM420	Cost Analysis and Negotiation Techniques	3
DEFM421	Joint Contingency Contracting	3
DEFM422	Mission Support Contracting I	3
DEFM423	Mission Support Contracting II	3
DEFM424	Overhead Management of Defense Contracts	3
MATH302	Statistics	3
Total Semester Hours		48

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
MGMT495	Senior Seminar in Management <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (39 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		39
Total Semester Hours		39

# Bachelor of Arts in History

The Bachelor of Arts in History degree explores history’s fascinating events, people, and cultures that determined the course of modern civilization. Whether you’re interested in the Antiquities, Western Civilization, Colonial or American History, the Civil War, World War II, the Cold War, Middle East history, or an analysis of Iran, this dynamic history program offers compelling choices. This bachelor’s program emphasizes critical and analytical thinking, and effective research and writing skills. Graduates with history degrees can often be found as curators, archivists, educators, or in professions involving research, writing, editing, advocacy, politics, or historical preservation.

Many university faculty members teaching these courses are published historians who bring unique perspectives and relevant research into the classroom. You’ll also connect and interact online with other students who share your enthusiasm for history.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate knowledge of key historical facts, values, and ideas that have shaped civilizations throughout history.
- Analyze primary sources in their historical context.
- Analyze secondary sources and identify various approaches to historical interpretation through critical reading.
- Evaluate historical arguments based on primary sources and the historical method.
- Demonstrate ability to conduct independent historical research in primary and secondary sources and complete a major research paper.

## Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		9
Select one of the following concentrations:		39
General Concentration (p. 231)		
American History (p. 232)		
European History (p. 233)		
Global History (p. 234)		
Final Program Requirements		6
Elective Requirements		36
Total Semester Hours		120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	

ARTH240	Survey of Photography
ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL111	Planning Your Future with Purpose in Humanities & Education
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science

POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	

**Natural Sciences (3 semester hours)**

Select 1 course from the following: 3

BIOL180	Introduction to Biology
BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines

Total Semester Hours 30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant .**Major Required (9 semester hours)**

Code	Title	Semester Hours
HIST111	World Civilization before 1650	3
HIST112	World Civilization since 1650	3
HIST300	Research Methods in History	3
Total Semester Hours		9

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in American History, Concentration in European History, or Concentration in Global History.

**General Concentration (39 semester hours)**

Students who pursue a General History Concentration will examine a wide array of historical events to include their causes, consequences, and social impact. They will learn critical and analytical thinking and effective writing and research methods. Students explore the philosophies, personalities, strategies, leadership, and other factors that influenced the world. Topics cover American History, Ancient and Classical History, as well as European and Global History.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Demonstrate a broad knowledge of historical literature that is relevant to the discipline.
- Summarize historical experiences that go beyond a single time period and national or cultural experience.
- Identify historical forces that have shaped social change and contemporary human problems.
- Interpret documents, and other forms of evidence, in their historical context.
- Apply historical methods to critically evaluate the past.
- Articulate, in writing, a persuasive and well-structured historical argument.

**Concentration Requirements (39 semester hours)**

Code	Title	Semester Hours
HIST230	History of East Asia	3
HIST301	Ancient Greece	3
HIST302	Ancient Rome	3
HIST402	Colonial America	3
HIST403	The Early Republic, 1783-1815	3
HIST406	Civil War And Reconstruction, 1861-1877	3
HIST350	History of the Middle East	3
HIST310	History of Modern Europe	3
HIST408	The United States: 1900 to Second World War	3
HIST409	The United States: WW II to the Present	3
Select 3 courses from the following:		9
HIST303	The Middle Ages	
HIST304	The Renaissance	
HIST305	France in the Age of Enlightenment	
HIST306	The British Empire	
HIST307	The Age of Dictators: Europe 1914-1945	
HIST308	History of European Colonialism	
HIST480	Special Topic: History	
HIST490	Independent Study: History	
Total Semester Hours		39

**Concentration in American History (39 semester hours)**

Students in the American History Concentration are encouraged to take HIST101 American History to 1877 and HIST102 American History since 1877.

Students who pursue a concentration in American History will study U.S. history from the Colonial Period to the present. This includes an examination of the philosophies, personalities, strategies, leadership, and other factors that influenced the United States. Topics cover foreign policy and military operations as well as the domestic political, economic, and social components of America.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Assess the social, economic, and political situation in the United States from colonization to the present.
- Illustrate America's evolving relationship with the rest of the world.
- Demonstrate knowledge of the major events, ideas, trends, and problems in American history.
- Explain how the past has shaped the present.
- Interpret documents, and other forms of evidence, in their historical context.
- Apply historical methods to critically evaluate the past.
- Articulate, in writing, a persuasive and well-structured historical argument.



**Concentration Requirements (39 semester hours)**

Code	Title	Semester Hours
HIST402	Colonial America	3
MILH320	The American Revolution	3
HIST403	The Early Republic, 1783-1815	3
HIST404	Jacksonian America, 1815-1846	3
HIST405	Antebellum America, 1846-1861	3
HIST406	Civil War And Reconstruction, 1861-1877	3
HIST407	The Gilded Age, 1877-1900	3
HIST408	The United States: 1900 to Second World War	3
MILH360	World War II	3
HIST409	The United States: WW II to the Present	3
Select 3 courses from the following:		9
HIST290	History of the Holocaust	
HIST301	Ancient Greece	
HIST302	Ancient Rome	
HIST303	The Middle Ages	
HIST305	France in the Age of Enlightenment	
HIST306	The British Empire	
HIST308	History of European Colonialism	
HIST310	History of Modern Europe	
HIST320	History of Russia	
HIST340	History of Africa	
HIST350	History of the Middle East	
HIST480	Special Topic: History	
HIST490	Independent Study: History	
MILH355	World War I	
Total Semester Hours		39

**Concentration in European History**

Students in the European History Concentration are encouraged to take HIST121 Western Civilization before The Thirty Years' War, and HIST122 Western Civilization since the Thirty Years' War as part of their General Education Requirements.

Students who pursue a concentration in European History will focus on Europe's history from ancient Greece to the present. Students will examine the political, philosophical, scientific, and social changes that laid the foundation for early Europe to the key developments that gave rise to modernity. Topics include the development of political, economic, and cultural institutions in early European societies and the rise of Europe as a global power in the modern period.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Understand influences of the past on contemporary European events and problems.
- Analyze significant problems and situations as they relate to the current issues and the investigation of history.
- Demonstrate a wider perspective that recognizes the political, economic, and cultural interdependence of differing societies and people.

- Assess the specific contributions and perspectives of diverse members of European society.
- Interpret documents, and other forms of evidence, in their historical context.
- Apply historical methods to critically evaluate the past.
- Articulate, in writing, a persuasive and well-structured historical argument.

### Concentration Requirements (39 semester hours)

Code	Title	Semester Hours
HIST301	Ancient Greece	3
HIST302	Ancient Rome	3
HIST303	The Middle Ages	3
HIST304	The Renaissance	3
HIST305	France in the Age of Enlightenment	3
MILH365	The Napoleonic Wars and the Long Peace	3
HIST306	The British Empire	3
HIST307	The Age of Dictators: Europe 1914-1945	3
HIST308	History of European Colonialism	3
HIST310	History of Modern Europe	3
Select 3 courses from the following:		9
HIST340	History of Africa	
HIST350	History of the Middle East	
HIST360	History of Latin America	
HIST402	Colonial America	
HIST403	The Early Republic, 1783-1815	
HIST404	Jacksonian America, 1815-1846	
HIST405	Antebellum America, 1846-1861	
HIST406	Civil War And Reconstruction, 1861-1877	
HIST407	The Gilded Age, 1877-1900	
HIST408	The United States: 1900 to Second World War	
HIST409	The United States: WW II to the Present	
HIST415	The Cold War	
HIST480	Special Topic: History	
HIST490	Independent Study: History	
MILH355	World War I	
MILH360	World War II	
Total Semester Hours		39

### Concentration in Global History (39 semester hours)

Students enrolled in the Concentration in Global History will examine the cultural interconnections, trade networks, conflicts, and major events that have taken place in the world from pre-history to the present. Students will study the political, philosophical, scientific, and social changes that shaped the world. Special emphasis will be placed on how the various regions of the globe interacted with one another over the millennia to create the modern world.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Assess the ways that different cultural groups have interacted through conquest, migration, commercial exchange, and cultural diffusion.
- Explain the development of different social, economic, and political systems.
- Describe the practices, ideals, and developments of major belief systems.
- Evaluate the social, economic, and political effects of the Industrial Revolution.
- Interpret documents, and other forms of evidence, in their historical context.
- Apply historical methods to critically evaluate the past.
- Articulate, in writing, a persuasive and well-structured historical argument.

## Concentration Requirements (39 semester hours)

Code	Title	Semester Hours
HIST230	History of East Asia	3
HIST340	History of Africa	3
HIST350	History of the Middle East	3
HIST308	History of European Colonialism	3
HIST306	The British Empire	3
HIST360	History of Latin America	3
HIST320	History of Russia	3
HIST310	History of Modern Europe	3
MILH355	World War I	3
MILH360	World War II	3
Select 3 courses from the following:		9
HIST301	Ancient Greece	
HIST302	Ancient Rome	
HIST408	The United States: 1900 to Second World War	
HIST409	The United States: WW II to the Present	
IRLS392	Globalization and the Market Economy	
HIST480	Special Topic: History	
HIST490	Independent Study: History	
Total Semester Hours		39

## Final Program Requirements (6 semester hours)

Code	Title	Semester Hours
HIST491	Writing a Research Proposal	3
HIST498	Senior Seminar in History (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		6

<sup>1</sup> Prerequisite: HIST491 - Writing a Research Proposal and Senior Standing and completion of all major courses prior to enrollment. HIST491 may not be taken concurrently with HIST498.

Elective Requirements (36 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		36
Total Semester Hours		36

# Bachelor of Arts in Homeland Security

The Bachelor of Arts degree in Homeland Security offers you a comprehensive education in the basics of terrorism, counterterrorism, hazard management, intelligence, and other components of national security. This program helps students develop the knowledge and skills to contribute new ideas, identify and critique unexamined assumptions of policy and strategy, and have the ability to translate good intentions into effective action.

This online bachelor's degree is designed to meet this market need. Through this bachelor's program, you will receive a holistic liberal arts education that covers the range of domestic security efforts, helping to prepare you for advancement or new entry into the homeland security field. This degree program is taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or public safety organizations.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Examine the historical and evolving concept of homeland security within the broader political and national security system of the contemporary nation-state.
- Recognize the detailed mitigation, planning, response, and recovery phases to and from a national security incident.
- Differentiate among the various national security threats including those that are manmade, technological, and natural.
- Discuss the strategic, operational, and tactical threats presented by chemical, nuclear, and biological agents including agent characteristics and delivery systems.
- Distinguish among and assess the various homeland security approaches, techniques, and processes such as analytics, indications, warnings, and forecasting.
- Explain the key administrative and command and control elements of the evolving homeland security relationships among the intelligence community Department of Homeland Security; interagency processes and institutions; federal, state, and local intergovernmental relations; and a comprehensive U.S. homeland security strategy.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	18
	General Concentration (p. 240)	24
	Final Program Requirements	3
	Elective Requirements	45
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	

ARAB101	Arabic II
ARTH200	Art Appreciation
ARTH240	Survey of Photography
ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL115	Planning Your Future with Purpose in Security & Global Studies
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I

LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	

MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (18 semester hours)

Code	Title	Semester Hours
HLSS300	Research Methods in Homeland Security Studies	3
HLSS302	Introduction to Homeland Security and Defense	3
HLSS310	Critical Infrastructure Protection	3
HLSS311	Border and Coastal Security	3
HLSS320	Intelligence and Homeland Security	3
HLSS322	Homeland Security Legal and Ethical Issues	3
Total Semester Hours		18

## General Concentration (24 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
Select 8 courses from the following:		24
CMRJ203	Patrol Methodologies & Community Policing	
CMRJ320	Law Enforcement Intelligence Applications	
EDMG220	Emergency Planning	
EDMG230	Emergency and Disaster Incident Command	
EDMG259	Hazard Mitigation and Preparedness	
EDMG340	Consequence Management	
EDMG420	Risk Communications	
HLSS154	Mind of a Terrorist	
HLSS212	Chemical, Biological, and Radiological Hazards	



HLSS215	Regulatory Issues in Weapons of Mass Destruction	
HLSS303	Homeland Security Risk, Threats and Consequences	
HLSS305	Private Sector Homeland Security	
HLSS312	Port Security	
HLSS323	Homegrown Violent Extremism	
INTL304	Intelligence Collection	
INTL305	Law and Ethics in Intelligence	
INTL402	Intelligence Analysis	
INTL410	Counterintelligence	
INTL440	Cyber Warfare	
INTL450	Terrorism and Counterterrorism	
ISSC262	Red and Blue Team Security	
ISSC363	IT Security: Risk Management	
ISSC451	Cybercrime	
ITMG281	Law, Privacy, and Digital Data	
LSTD401	Maritime Law	
LSTD402	Immigration Law and Policy	
PSYC431	Psychology of Disaster	
SCMT319	Global Terrorism	
Total Semester Hours		24

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
HLSS498	Senior Seminar in Homeland Security (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment.

### Elective Requirements (45 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		45
Total Semester Hours		45

# Bachelor of Arts in Hospitality Management

The Bachelor of Arts in Hospitality Management provides a foundation of research, critical thinking, and writing skills, along with the practical know-how required for success in global hospitality workplaces. This online degree program is helpful if you want to gain knowledge about managing or owning a restaurant, and provides practical skills often required for entry- to mid-management positions in the event planning, lodging and travel destination, and tourism fields. You'll be taught by experienced faculty, many who draw on their own experiences in hospitality to share their knowledge of industry best practices used around the world today.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply concepts and principles of hospitality service excellence in marketing, law, revenue management and strategic planning, to the unique aspects of hospitality operations.
- Judge current political, economic, and social issues that affect food service, lodging and travel and tourism industries.
- Apply strategic management principles to accomplish goals and objectives of hospitality operations.
- Assess unique hospitality characteristics and principles that are the business of hospitality management.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	30
	Select one of the following concentrations:	21
	Business and Hospitality Financial Analytics (p. 245)	
	Food Service (p. 246)	
	Lodging and Tourism (p. 247)	
	Meeting and Event Planning (p. 247)	
	Final Program Requirements	3
	Elective Requirements	36
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
	<b>Arts and Humanities (6 semester hours)<sup>1</sup></b>	
	Select 2 courses from the following:	6
ARAB100	Arabic I	

ARAB101	Arabic II
ARTH200	Art Appreciation
ARTH240	Survey of Photography
ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL112	Planning Your Future with Purpose in Business
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
ECON201	Microeconomics for Business
ECON202	Macroeconomics for Business
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography

HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	

MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (30 semester hours)

Code	Title	Semester Hours
HOSP100	Introduction to Hospitality Management	3
HOSP101	Foodservice Sanitation	3
HRMT200	Human Resource Fundamentals	3
MGMT201	Organizational Fundamentals	3
HOSP300	Managerial Accounting for the Hospitality Industry	3
HOSP302	Hospitality Law	3
HOSP321	Marketing and the Hospitality Industry	3
HOSP335	Leadership and Management in Hospitality	3
HOSP400	Quality Service Management	3
MGMT314	Management Ethics	3
Total Semester Hours		30

Students must choose a concentration for this degree program and may select from the Concentration in Business and Hospitality Financial Analytics, Concentration in Food Service, the Concentration in Lodging and Tourism, or the Concentration in Meeting and Event Planning.

## Concentration in Business and Hospitality Financial Analytics (21 semester hours)

This concentration introduces big data analytics for hospitality management professionals in general terms which can be applied to hospitality organizations. Students will analyze, evaluate, and organize data to facilitate problem solving and decision making in areas where data is collected

and utilized. Students will focus on the analysis methods used within the hospitality industry in order to make financially sound business decisions to focus on financial outcomes.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Integrate various business analytics tools and statistical analysis methods to assist in problem solving and business decision making.
- Implement Excel-based models to process and analyze business data.
- Develop policies and procedures for controlling the purchasing function in the hospitality industry.
- Analyze the value of various financial analyses to test the effectiveness of control systems.
- Evaluate the quality of revenue management decision making as applied to the hospitality industry.
- Construct revenue management strategies to assemble a customer-centric plan that would improve profits, despite varying economic conditions.

## Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
HOSP203	Hotel and Restaurant Purchasing	3
HOSP207	Principles of Cost Control in Foodservice Operations	3
BUSN250	Analytics I	3
MATH302	Statistics	3
HOSP325	Revenue Management for the Hospitality Industry	3
BUSN350	Analytics II	3
BUSN450	Advanced Analytics	3
Total Semester Hours		21

## Concentration in Food Service (21 semester hours)

Examines current trends, issues, and challenges in the food service industry, such as the layout, design, equipment, and human engineering involved in a food service facility. Topics include cost control, dietary guidelines, table service, and the history and culture of wine.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine and discuss the leading issues associated with food service in the 21st Century including food service trends, issues, and challenges.
- Design and implement cost control systems as they relate to foodservice operations.
- Incorporate industry standards to inform decisions related to safe and efficient food service operations.

## Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
Select 7 courses from the following:		21
HOSP200	Food and Beverage Management	
HOSP202	Quantity Food Preparation	
HOSP203	Hotel and Restaurant Purchasing	
HOSP207	Principles of Cost Control in Foodservice Operations	

HOSP304	Nutrition in the Food Service Industry	
HOSP316	History and Culture of Wine	
MGMT101	Principles of Supervision	
Total Semester Hours		21

## Concentration in Lodging and Tourism (21 semester hours)

Explores and evaluates essential topics in the lodging and tourism industries and their contribution to a global economy. Includes marketing concepts, legal issues, revenue management, service quality, technology, and career options in the hospitality industry.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Describe the makeup and size of the lodging and tourism industries and how they contribute to a global society.
- Explain the interrelationship and the importance of cooperation between visitors bureaus and lodging facilities locally and globally.
- Describe laws associated with lodging and tourism management.
- Demonstrate understanding of revenue management concepts and the importance of budgeting and forecasting.
- Summarize career opportunities in the lodging and tourism segments.

### Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
Select 7 courses from the following:		21
HOSP203	Hotel and Restaurant Purchasing	
HOSP207	Principles of Cost Control in Foodservice Operations	
HOSP212	Fundamentals of Tourism Management	
HOSP309	Convention Sales and Services	
HOSP310	Management of Lodging Operations	
HOSP320	Business and Conference Hospitality Mgmt	
HOSP325	Revenue Management for the Hospitality Industry	
HOSP350	Managing Technology in the Hospitality Industry	
HOSP410	Advanced Tourism and Hospitality Management	
HOSP415	Destinations and Cultures	
Total Semester Hours		21

## Concentration in Meeting and Event Planning (21 semester hours)

Provides a thorough overview of the meeting, exposition, and convention industry, including the environmental concerns involved in event management. Courses cover industry organizations, such as convention bureaus, as well as emergency preparedness, liability and insurance, and the use of technology.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply the steps involved in planning meetings and special events.
- Evaluate the administration and logistics of a given event scenario.

- Explain the environmental concerns involved in managing an event.
- Analyze elements of a client culture affecting meeting and event planning.

### Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
HOSP308	Meeting and Convention Planning	3
HOSP309	Convention Sales and Services	3
HOSP320	Business and Conference Hospitality Mgmt	3
HOSP350	Managing Technology in the Hospitality Industry	3
HOSP410	Advanced Tourism and Hospitality Management	3
HOSP413	Meeting and Event Risk Management	3
HOSP415	Destinations and Cultures	3
Total Semester Hours		21

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
HOSP495	Senior Seminar in Hospitality Management (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major or concentration courses prior to enrollment.

### Elective Requirements (36 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		36
Total Semester Hours		36



# Bachelor of Arts in Human Development and Family Studies

The Bachelor of Arts in Human Development and Family Studies focuses on the classic and contemporary theories of human life development from infancy through adulthood including family and societal issues.

In addition, courses in the program can help you prepare to pursue these certifications:

- Certified Family Life Educator (<http://www.ncfr.org/cfle-certification>) (CFLE®) sponsored by the National Council on Family Relations. To qualify for the academic portion of the CFLE, you'll need to complete all core requirements as well as these specific courses:

1. CHFD220 (<https://catalog.apus.edu/search/?P=CHFD220>) - Human Sexuality
2. CHFD350 (<https://catalog.apus.edu/search/?P=CHFD350>) - Family Life Education
3. CHFD360 (<https://catalog.apus.edu/search/?P=CHFD360>) - Family Resource Management
4. CHFD348 (<https://catalog.apus.edu/search/?P=CHFD348>) - Marriage and the Family
5. CHFD445 (<https://catalog.apus.edu/search/?P=CHFD445>) - Family Communications
6. CHFD446 (<https://catalog.apus.edu/search/?P=CHFD446>) - Families and Social Action
7. CHFD498 (<https://catalog.apus.edu/search/?P=CHFD498>) - Senior Seminar in Child and Family Development

NOTE – There is a work experience requirement for full certification by the CFLE which the University does not provide. More information is available at the CFLE website: <https://www.ncfr.org/cfle-certification/become-certified/cfle-approved-application>.

- Certified Child Life Specialist (CCLS®) (<http://www.childlife.org/certification>) sponsored by the Association for Child Life Professionals. To qualify for the academic portion of the CCLS, you'll need to complete all core requirements as well as these specific courses:
  1. HDFS401 (<https://catalog.apus.edu/search/?P=HDFS401>) - Child Life Theory and Practice
  2. HDFS402 (<https://catalog.apus.edu/search/?P=HDFS402>) - Benefits of Therapeutic Play
  3. HDFS403 (<https://catalog.apus.edu/search/?P=HDFS403>) - Death, Dying and Grief
  4. CHFD340 (<https://catalog.apus.edu/search/?search=chfd340>) - Family Development
- Child Development Associate (CDA®) certification (<http://www.cdacouncil.org>) sponsored by the Early Childhood Education Training Institution and the Council for Professional Recognition. Courses in the program can help you prepare to pursue the CDA certification (<http://www.cdacouncil.org>) sponsored by the Early Childhood Education Training Institution and the Council for Professional Recognition by providing the required academic requirements for that certification. There are additional requirements regarding clinical hours that the University does not provide and students must secure their own placement. Additional information on those clinical requirements can be found at [www.childlife.org](http://www.childlife.org) (<http://www.childlife.org>).

Important note: This bachelor's degree does not award professional licensure and does not qualify you to apply for a teaching licensure. In addition, individual states often require additional hands-on training, internships, or site visits not provided by our University. Students are encouraged to become familiar with all licensure/certification requirements in the state in which they plan to seek possible employment.

*CFLE® is a registered trademark of the National Council on Family Relations.*

*CCLS® is a registered trademark of the Child Life Council.*

*CDA® is a registered trademark of the Council for Professional Recognition.*

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate fluency in the terminology, tools, and methods used in the field of child and family development.
- Describe the contributions of multiple theories or practices to the field of child and family development, both within and across disciplines.

- Demonstrate the ability to synthesize multiple information sources and points of view into a discussion of major child and family development issues.
- Present a project or paper linking knowledge from work, community, or research activities with knowledge acquired in the study of child and family development.
- Explain diverse perspectives on contested issues in child and family development, including an articulation of how these issues might be addressed in social, political, or personal settings.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	36
	General Concentration (p. 253)	27
	Final Program Requirements	3
	Elective Requirements	24
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
	Select 2 courses from the following:	6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	

PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL111	Planning Your Future with Purpose in Humanities & Education	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL101	Proficiency in Writing	3
<b>History</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	

HIST111	World Civilization before 1650
HIST112	World Civilization since 1650
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877
HIST222	African-American History since 1877
HIST223	History of the American Indian
HIST270	History of Science
STEM185	The History and Context of STEM

**Mathematics and Applied Reasoning (3 semester hours)**

Select 1 course from the following:	3
ACCT100	Accounting I
ACCT105	Accounting for Non Accounting Majors
ENTD200	Fundamentals of Programming
MATH110	College Algebra
MATH111	College Trigonometry
MATH112	Pre-Calculus
MATH120	Introduction to Statistics
MATH125	Math for Liberal Arts Majors
MATH225	Calculus

**Natural Sciences (3 semester hours)**

Select 1 course from the following:	3
BIOL180	Introduction to Biology
BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines

Total Semester Hours	30
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<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

**Major Required (36 semester hours)**

Code	Title	Semester Hours
CHFD215	Introduction to Child Development	3
CHFD220	Human Sexuality	3
CHFD225	Introduction to the American Family	3
CHFD307	Child and Adolescent Development	3
CHFD308	Infant-Toddler Development	3
CHFD331	Parenting	3
CHFD340	Family Development	3

CHFD342	Human Life Span Development	3
MATH120	Introduction to Statistics	3
PSYC101	Introduction to Psychology	3
SOCI331	Research Methods for Sociology	3
SOCI332	Statistics for Social Science	3
Total Semester Hours		36

## General Concentration (27 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
<b>Child Development</b>		
Select 5 courses from the following:		15
CHFD210	Childhood Educational Development	
CHFD212	Infant and Toddler Programs	
CHFD230	Child Welfare and Advocacy	
CHFD311	Guidance in Early Childhood	
CHFD312	Special Needs Students	
CHFD411	Child Psychopathology	
CHFD415	Children and Stress	
EDUC111	Observation Techniques	
HDFS401	Child Life Theory and Practice	
HDFS402	Benefits of Therapeutic Play	
HDFS403	Death, Dying, and Grief	
<b>Family Development</b>		
Select 4 courses from the following:		12
CHFD348	Marriage and the Family	
CHFD350	Family Life Education	
CHFD360	Family Resource Management	
CHFD445	Family Communications	
CHFD446	Families and Social Action	
PSYC343	Adult Development	
SOCI404	Gender and Society	
DEFM332	Transition and the Military Family	
Total Semester Hours		27

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
CHFD498	Senior Seminar in Child and Family Development <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (24 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		24
Total Semester Hours		24

# Bachelor of Arts in Human Resource Management

The Bachelor of Arts in Human Resource Management is designed for human resource professionals interested in understanding all of the functions within the field. The program will provide an overview of issues impacting the global workforce from a generalist and specialist perspective. While in the program, students will explore strategies to motivate, compensate, recruit, appraise, and develop an organization's talent base. Collaboration and case studies will support the importance of the human resource function to the strategic direction and effectiveness of an organization.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Examine various laws, rules, regulation, and policies affecting human capital in today's global workforce.
- Compare and contrast compensation packages and incentives used to recruit and retain employees in a diverse and inclusive organization.
- Describe leading trends and issues in the field of human resource management.
- Summarize the role of the human resource department toward the strategic direction of the organization.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	24
	Select one of the following concentrations:	15
	General Concentration (p. 258)	
	Employment Law (p. 259)	
	Final Program Requirements	3
	Elective Requirements	48
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
	Select 2 courses from the following:	6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	

GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 1 course from the following:

3

ECON101	Microeconomics
ECON102	Macroeconomics

Select 1 course from the following:

3

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL112	Planning Your Future with Purpose in Business
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON201	Microeconomics for Business
ECON202	Macroeconomics for Business
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying



RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH120	Introduction to Statistics	3
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	

SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (24 semester hours)

Code	Title	Semester Hours
HRMT200	Human Resource Fundamentals	3
HRMT201	Employee Training and Development	3
HRMT202	Interviewing Fundamentals	3
HRMT407	Human Resource Management	3
HRMT427	International Human Resource Management	3
HRMT419	Recruitment and Staffing	3
MGMT315	Management Communications	3
MGMT314	Management Ethics	3
Total Semester Hours		24

Students must choose a concentration for this degree program and may select from a General Concentration or Concentration in Employment Law.

## General Concentration (15 semester hours)

The general concentration delves into behavior in organizations, training and development, compensation, performance management, and technology to support the human resource management function. Students will compare compensation packages and reward systems and differentiate between various performance management methods.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain the concept of total rewards in relation to employee compensation and benefits.
- Describe how human resource development is linked to the overall goals and strategies of an organization.
- Develop an understanding of basic systems and the criteria for success in using HR software in organizations.
- Compare and contrast successful and unsuccessful performance management systems.
- Prepare a strategy to motivate a diverse group of employees.

## Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
HRMT412	Compensation and Benefits	3
HRMT415	Human Resource Management Information Systems	3
Select 3 courses from the following:		9
MGMT311	Organizational Behavior	
HRMT340	Foundations of Diversity and Inclusion in the Workplace	
HRMT416	Human Resource Development	
HRMT430	Performance Management	

HRMT440	Managing Diversity and Inclusion Initiatives	
Total Semester Hours		15

## Concentration in Employment Law (15 semester hours)

The employment law concentration allows for deeper discovery of employee compensation and benefits. Students will also learn about dispute resolution, negotiation, employment law, and labor relations.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify government regulations for compensation and benefits.
- Contrast mediation to adversarial dispute resolution models like arbitration and trial.
- Discuss several significant ethical issues involved in negotiation.
- Assess the impact of employment law/human relations in organizations.
- Examine sources of power considered during negotiation.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
HRMT412	Compensation and Benefits	3
HRMT411	Dispute Resolution	3
HRMT413	Employment and Labor Relations	3
HRMT300	Negotiation I	3
HRMT301	Negotiation II	3
Total Semester Hours		15

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
MGMT496	Capstone: Portfolio <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

## Elective Requirements (48 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		48
Total Semester Hours		48

# Bachelor of Arts in Intelligence Studies

The Bachelor of Arts in Intelligence Studies is designed to enhance your ability to research, analyze, and convert data into clear and coherent intelligence. This online bachelor’s degree focuses on national and international intelligence operations, analysis, ethics, collection methods, research, and counterintelligence. This degree program is helpful if you are currently employed in the intelligence field, or are interested in military, civilian, or corporate intelligence specialists fields.

Core courses in this program impart substantive knowledge and analytic skills required by all professionals in the intelligence community, while the concentration choices enable you to focus on a functional area or intelligence sub-field. This degree program is taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or other intelligence organizations.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the evolution, structures, functions, capabilities, and activities of the U.S. national intelligence community.
- Detail the structures, functions, capabilities, and contributions of national intelligence consumers to include the national command authority, executive departments, Congress, military services, joint/unified commands, and law enforcement agencies.
- Specify the intelligence cycle including intelligence planning, data collection, data exploitation, analysis, production, and dissemination phases.
- Differentiate among the fundamental capabilities and limitations and means of tasking human, geographic/imagery, signals, measurement and technical and open intelligence data sources.
- Detail the current permissions and restrictions on U.S. national intelligence community activities as prescribed by federal law, executive and agency directives, and the intelligence oversight system.
- Conduct basic research and compose professional and academic analyses on issues critical to intelligence consumers.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	27
	Select one of the following concentrations:	15
	General Concentration (p. 263)	
	Asian Area Studies (p. 264)	
	Counterintelligence (p. 265)	
	Criminal Intelligence (p. 265)	
	Cyber (p. 266)	
	Geospatial Intelligence (GEOINT) (p. 267)	
	Intelligence Analysis (p. 267)	
	Intelligence Collection (p. 268)	
	Intelligence Operations (p. 269)	
	Latin America Area Studies (p. 269)	
	Middle East Area Studies (p. 270)	
	Terrorism Studies (p. 271)	
	Final Program Requirements	3

Elective Requirements	45
Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours)</b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours)</b>		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	

ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL115	Planning Your Future with Purpose in Security & Global Studies	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
IRLS200	Information Literacy and Global Citizenship	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	

MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (27 semester hours)

Code	Title	Semester Hours
INTL200	Introduction to Intelligence Studies	3
INTL301	U.S. Intelligence Community	3
IRLS210	International Relations I	3
SSGS300	Research Design and Methods	3
INTL304	Intelligence Collection	3
INTL305	Law and Ethics in Intelligence	3
INTL401	Critical Analysis	3
INTL434	Threat Analysis	3
INTL443	Foreign Intelligence Organizations	3
Total Semester Hours		27

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Asian Area Studies, Concentration in Counterintelligence, Concentration in Criminal Intelligence, Concentration in Cyber, Concentration in Geospatial Intelligence (GEOINT), Concentration in Intelligence Analysis, Concentration in Intelligence Collection, Concentration in Intelligence Operations, Concentration in Latin America Area Studies, Concentration in Middle East Area Studies, or the Concentration in Terrorism Studies.

## General Concentration (15 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
Select 5 courses from the following:		15
HLSS320	Intelligence and Homeland Security	
INTL402	Intelligence Analysis	

INTL408	Counterintelligence Operations
INTL409	Counterintelligence Analysis
INTL410	Counterintelligence
INTL412	Espionage/Counterespionage
INTL413	Denial and Deception
INTL419	Applied Geospatial Intelligence
INTL421	Signals Intelligence and Security
INTL422	Open Source Collection
INTL423	Human Intelligence
INTL424	Interrogation
INTL431	Criminal Intelligence Analysis
INTL432	Geographic Information Systems I
INTL433	Geographic Information Systems II
INTL440	Cyber Warfare
INTL442	Tactical Intelligence
INTL446	Intelligence and Narcotics
INTL450	Terrorism and Counterterrorism
INTL451	Terrorism and U.S. National Security
INTL453	Illicit Finance
INTL454	Forecasting Terrorism

Total Semester Hours

15

## Concentration in Asian Area Studies (15 semester hours)

Takes an in-depth look at Asia, including its security issues and the role of intelligence within the region. Topics include analysis techniques, including hypothesis generation, red-teaming, and adversarial collaboration; and the conflict between traditional norms and modern institutions.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the role Intelligence plays within a specific country or region.
- Examine the impact of US policy on the region.
- Assess the security issues of the region.
- Explain the role of religion in the political, economic, and cultural life of the area.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
INTL402	Intelligence Analysis	3
Select 4 courses from the following:		12
IRLS213	Political Geography	
IRLS300	Comparative Political Systems	
IRLS310	Introduction to Human Security	
IRLS331	Asian Politics	
IRLS409	Environmental Security	



IRLS412	Comparative Foreign Policy	
RELS351	Buddhism	
RELS360	East Asian Religions	
RELS370	South Asian Religions	
Total Semester Hours		15

## Concentration in Counterintelligence (15 semester hours)

Demonstrates U.S. intelligence agencies use of counterintelligence and covert action to guard America's global interests and protect national security. Examines the counterintelligence professional's role in overt and covert operations, and delves into research methods and tools used in counterintelligence.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Acquire a general knowledge of Counterintelligence research, analysis, and operations.
- Analyze threats in the counterintelligence arena.
- Examine the role of the Counterintelligence professional in both overt and covert operational styles.
- Demonstrate proficiency in the use of selected research methods and tools as they pertain to the counterintelligence environment.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
Select 5 courses from the following:		15
INTL408	Counterintelligence Operations	
INTL409	Counterintelligence Analysis	
INTL410	Counterintelligence	
INTL412	Espionage/Counterespionage	
INTL413	Denial and Deception	
INTL422	Open Source Collection	
INTL423	Human Intelligence	
INTL424	Interrogation	
INTL440	Cyber Warfare	
Total Semester Hours		15

## Concentration in Criminal Intelligence (15 semester hours)

Addresses intelligence processes and procedures in criminal justice, various techniques used to understand violence, and the differences between crime, war, and terrorism. Covers criminal intelligence analysis and strategic organized crime; cyber warfare's use in military, terrorist, and, criminal organizations; and the illegal drug trade's impact on national security and intelligence gathering.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain intelligence processes and procedures in the criminal justice community.
- Analyze the differences between crime, war, and terrorism.

- Evaluate the various techniques and methodologies used within the Criminal Justice community to understand the different aspects of violence and accomplish their goals.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
INTL402	Intelligence Analysis	3
INTL431	Criminal Intelligence Analysis	3
Select 3 courses from the following:		9
CMRJ320	Law Enforcement Intelligence Applications	
CMRJ329	Criminal Profiling	
CMRJ303	Criminology	
CMRJ335	Crime Analysis	
INTL411	International Criminal Organizations	
INTL440	Cyber Warfare	
INTL446	Intelligence and Narcotics	
INTL453	Illicit Finance	
Total Semester Hours		15

### Concentration in Cyber (15 semester hours)

Offers an overview of cyber warfare and the potential impact of its use by military, terrorist, and criminal organizations, as well as the various methods of collection and analysis. Looks at the use of strategic and operational level communications (COMINT) and electronics (ELINT) intelligence. Topics also include the change in laws to account for crimes in the digital age.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze advanced intelligence data collection methods in supporting analyses on issues critical to intelligence community consumers.
- Examine the full spectrum of the intelligence collection cycle and articulate effectively intelligence needs in future collection planning.
- Assess the range of collection methods being used to fill intelligence gaps as well as the potential impact of future collection systems and capabilities and their ability to satisfy customers' intelligence requirements.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
INTL421	Signals Intelligence and Security	3
INTL422	Open Source Collection	3
INTL440	Cyber Warfare	3
Select 2 courses from the following:		6
CMRJ201	Criminal Justice Administration	
ISSC231	Networking Concepts	
ISSC351	Computer Forensics	
ISSC421	Computer and Network Security	
ISSC422	Information Security	
ISSC451	Cybercrime	

ISSC452	Cybersecurity	
ITMG281	Law, Privacy, and Digital Data	
Total Semester Hours		15

## Concentration in Geospatial Intelligence (GEOINT) (15 semester hours)

Within this concentration students will gain foundational knowledge on the use and application of geospatial intelligence. Students will complete a variety of applied assignments that will require the use of geospatial intelligence tools to complete their work. Upon completion of the program students will have received instruction on core competencies specific to geospatial collection and analysis.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze threats using tools and techniques specific to geospatial analysis.
- Examine the role of geospatial intelligence within the intelligence cycle.
- Demonstrate proficiency in the use of selected research methods and tools as they pertain to geospatial intelligence.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
Select 5 courses from the following:		15
GEOG200	Fundamentals of Geographic Information Systems I	
GEOG201	Fundamentals of Geographic Information Systems II	
INTL419	Applied Geospatial Intelligence	
INTL432	Geographic Information Systems I	
INTL433	Geographic Information Systems II	
INTL402	Intelligence Analysis	
INTL422	Open Source Collection	
INTL442	Tactical Intelligence	
INTL440	Cyber Warfare	
Total Semester Hours		15

## Concentration in Intelligence Analysis (15 semester hours)

Provides an understanding of how to interpret information generated from a variety of different organizations and sources into a highly cogent and professional intelligence product. Explores using existing knowledge to find meaning behind what is not immediately apparent to forecast events or consequences and draw conclusions with a high degree of reliability and precision.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine advanced intelligence analysis methods in composing professional and academic analyses on issues critical to intelligence community consumers.
- Evaluate and interpret information generated from a variety of different organizations and sources into a highly cogent and professional intelligence product.

- Employ a broad, subtle, and nuanced understanding of existing knowledge to find meaning behind what is not immediately apparent to forecast events or consequences and draw conclusions with a high degree of reliability and precision.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
INTL402	Intelligence Analysis	3
Select 4 courses from the following:		12
INTL409	Counterintelligence Analysis	
INTL413	Denial and Deception	
INTL419	Applied Geospatial Intelligence	
INTL422	Open Source Collection	
INTL431	Criminal Intelligence Analysis	
INTL432	Geographic Information Systems I	
INTL433	Geographic Information Systems II	
INTL446	Intelligence and Narcotics	
INTL450	Terrorism and Counterterrorism	
INTL453	Illicit Finance	
INTL454	Forecasting Terrorism	
Total Semester Hours		15

### Concentration in Intelligence Collection (15 semester hours)

Considers collective methods used to fill gaps in intelligence, as well as the potential impacts of future collection systems and their ability to satisfy intelligence requirements. Also covers: the full spectrum of the intelligence collection cycle; intelligence needs in future collection planning; and advanced methods of collecting data to support intelligence community consumers.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze advanced intelligence data collection methods in supporting analyses on issues critical to intelligence community consumers.
- Examine the full spectrum of the intelligence collection cycle and articulate effectively intelligence needs in future collection planning.
- Assess the range of collection methods being used to fill intelligence gaps as well as the potential impact of future collection systems and capabilities and their ability to satisfy customers' intelligence requirements.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
Select 5 courses from the following:		15
INTL410	Counterintelligence	
INTL413	Denial and Deception	
INTL419	Applied Geospatial Intelligence	
INTL421	Signals Intelligence and Security	
INTL422	Open Source Collection	
INTL423	Human Intelligence	
INTL424	Interrogation	

INTL440	Cyber Warfare	
INTL442	Tactical Intelligence	
Total Semester Hours		15

## Concentration in Intelligence Operations (15 semester hours)

Surveys the nature and challenges to military planning of operations other than war, such as peacekeeping operations, low-intensity conflicts, and humanitarian relief efforts. Looks into ways to facilitate cooperation with others across the intelligence community, as well as intelligence management skills necessary for planning, management, and leadership positions.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Employ intelligence management skills required by planning and management positions in the intelligence community.
- Identify ways to facilitate cooperation with other individuals and organizations across the intelligence community to advance projects and corporate goals.
- Examine the nature and challenges to military planning of combined operations and operations other than war including peacekeeping operations, low intensity conflicts, and humanitarian relief operations.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
Select 5 courses from the following:		15
HLSS320	Intelligence and Homeland Security	
INTL408	Counterintelligence Operations	
INTL410	Counterintelligence	
INTL412	Espionage/Counterespionage	
INTL413	Denial and Deception	
INTL440	Cyber Warfare	
INTL442	Tactical Intelligence	
INTL446	Intelligence and Narcotics	
INTL453	Illicit Finance	
IRLS409	Environmental Security	
IRLS414	Principles of Peacekeeping	
IRLS415	Peacekeeping Logistics	
Total Semester Hours		15

## Concentration in Latin America Area Studies (15 semester hours)

Explores the politics, cultures, history, and predominant language of Latin America, as well as U.S. intelligence operations there to guard America's global interests and protect national security. Topics include security issues in the region and the part intelligence plays in the war on drugs.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the role Intelligence plays in the War on Drugs.
- Examine the impact of U.S. policy on the region.
- Assess the security issues of the region.
- Explain the role of the political, economic, and cultural life of the area.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
INTL402	Intelligence Analysis	3
Select 4 courses from the following:		12
HIST360	History of Latin America	
INTL446	Intelligence and Narcotics	
IRLS213	Political Geography	
IRLS300	Comparative Political Systems	
IRLS355	Latin American Politics	
IRLS310	Introduction to Human Security	
IRLS409	Environmental Security	
IRLS412	Comparative Foreign Policy	
SPAN100	Spanish I	
SPAN101	Spanish II	
Total Semester Hours		15

### Concentration in Middle East Area Studies (15 semester hours)

Delves into the intelligence community and its relationship to the Middle East through the region's language, politics, history, and culture. Topics include a study of Judaism, Christianity, and Islam; major Middle Eastern literary works dating back to ancient times; the origins and evolution of the Arab-Israeli conflict; and past and present U.S. foreign policy in the Muslim world.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the role Intelligence plays within a specific country or region.
- Examine the impact of U.S. policy on the region.
- Assess the security issues of the region.
- Explain the role of religion in the political, economic, and cultural life of the area.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
INTL402	Intelligence Analysis	3
ARAB100	Arabic I	3
Select 3 courses from the following:		9
HIST350	History of the Middle East	
IRLS213	Political Geography	
IRLS360	Global Politics of Islam	

IRLS460	Government & Security in the Middle East	
IRLS463	Arab-Israeli Conflict: Contemp. Politics & Dipl.	
IRLS468	Politics and Security in the Persian Gulf	
LITR339	Flowers Bloom in the Desert: Literature of the Middle East	
RELS330	Religions of the Middle East	
RELS353	Islam	
Total Semester Hours		15

## Concentration in Terrorism Studies (15 semester hours)

Evaluates leading terrorist organizations and their agendas, as well as the causes of and threats from domestic and international terrorism. Explores information sharing limits under the PATRIOT Act and the Intelligence Reform and Terrorism Prevention Act. Teaches how to identify the leading terrorist organizations, understand their agendas, and develop the critical thinking skills and methodological techniques to defeat them.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Appraise the causes of and threats from U.S. domestic and international terrorism.
- Analyze the limits of information sharing under the guidelines of both the U.S. PATRIOT Act and the Intelligence Reform and Terrorism Prevention Act.
- Identify the leading terrorist organizations, understand their agendas, and develop the critical thinking skills and methodological techniques to defeat them.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
Select 5 courses from the following:		15
INTL402	Intelligence Analysis	
INTL431	Criminal Intelligence Analysis	
INTL440	Cyber Warfare	
INTL446	Intelligence and Narcotics	
INTL450	Terrorism and Counterterrorism	
INTL451	Terrorism and U.S. National Security	
INTL453	Illicit Finance	
PSYC360	Psychology of Terrorism	
SCMT319	Global Terrorism	
Total Semester Hours		15

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
INTL498	Senior Seminar in Intelligence Studies (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (45 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		45
Total Semester Hours		45



# Bachelor of Arts in Interdisciplinary Studies

The Bachelor of Arts in Interdisciplinary Studies offers you a chance to focus on two or more disciplines while helping build communication and critical thinking skills. Academic discipline choices are focused on employment trends for students with an interdisciplinary background: business and management; natural and social sciences, communication and media; and social services. This degree allows you to build and focus upon unique areas of study with fewer constraints than a traditional major. Graduates of this program apply their skills and abilities in communication, business and management, and social service. The interdisciplinary foundation of the program helps to prepare you for diverse employment choices as well as for discipline focused graduate studies.

Note: This program does not qualify for Federal Student Aid

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate knowledge of and respect for diverse, global cultures and societies
- Communicate and collaborate effectively in personal and professional contexts
- Apply an interdisciplinary perspective to solving problems
- Explain how interdisciplinary knowledge supports success in diverse careers in service and leadership

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	39
	Final Program Requirements	3
	Elective Requirements	48
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	

GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL111	Planning Your Future with Purpose in Humanities & Education
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology

SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	

CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines
Total Semester Hours	
30	

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (39 semester hours)

Code	Title	Semester Hours
INTD310	Applied Interdisciplinary Perspectives	3
<b>Business/Management</b>		
Select 3 courses from the following:		9
ACCT301	Intermediate Accounting I	
ACCT302	Intermediate Accounting II	
ACCT303	Intermediate Accounting III	
ACCT305	Accounting Information Systems	
ACCT400	Auditing	
ACCT401	Cost Accounting	
ACCT406	Managerial/Cost Accounting	
ACCT410	Governmental and Not-for-Profit Accounting	
ACCT415	Law for Accountants	
ACCT420	Individual Federal Taxes	
ANLY460	Applied Analytics I	
ANLY461	Applied Analytics II	
ANLY462	Applied Analytics III	
BUSN301	Residential Real Estate Portfolio Development	
BUSN302	Commercial Real Estate Portfolio Development	
BUSN306	Real Estate Communication and Negotiation	
BUSN307	The Legal Environment of Business	
BUSN308	Real Estate Marketing	
BUSN310	Business Theory	
BUSN311	Law and Ethics in the Business Environment	
BUSN312	Operations Research	
BUSN320	Principles of E Business	
BUSN330	Fundamentals of Business Analysis I	
BUSN331	Fundamentals of Business Analysis II	
BUSN333	Project Management for Business Analysts	
BUSN336	Strategic Policy Decision-Making	
BUSN340	Operational Crisis Management	
BUSN341	Operational Business Continuity	

BUSN342	Operational Sustainability and Crisis Management
BUSN343	Operational Emergency Preparedness
BUSN350	Analytics II
BUSN410	Critical Thinking Strategies for Business Decisions
BUSN419	International Business Management
BUSN425	Real Estate Management
BUSN450	Advanced Analytics
BUSN451	Introduction to Business Project Management
BUSN452	Project Schedule and Scope Management
BUSN453	Project Integration, Quality, Resource, and Stakeholder Management
ENTR300	Foundations of Entrepreneurship
ENTR310	The Family Owned Business
ENTR311	Business Plan Foundations
ENTR312	Social Entrepreneurship
ENTR313	Non-Profit Entrepreneurship
ENTR315	Financing a New Venture
ENTR320	Practical Law for the Entrepreneur
ENTR340	Small Business Customer Service
ENTR410	Money Management for Entrepreneurs
ENTR415	Marketing the Successful Small Business
ENTR416	Innovative Marketing
ENTR420	Social Media to Grow Small Business
ENTR421	The Value of Networking
ENTR425	Operating a Small Business
ENTR426	Strategic Growth
ENTR427	Technological Innovation
ENTR430	Virtual Small Business
FINC300	Foundations of Financial Management
FINC400	Principles of Financial Management
FINC405	Budget Development and Execution
HOSP300	Managerial Accounting for the Hospitality Industry
HOSP302	Hospitality Law
HOSP304	Nutrition in the Food Service Industry
HOSP308	Meeting and Convention Planning
HOSP309	Convention Sales and Services
HOSP310	Management of Lodging Operations
HOSP316	History and Culture of Wine
HOSP320	Business and Conference Hospitality Mgmt
HOSP321	Marketing and the Hospitality Industry
HOSP325	Revenue Management for the Hospitality Industry
HOSP335	Leadership and Management in Hospitality
HOSP350	Managing Technology in the Hospitality Industry
HOSP400	Quality Service Management
HOSP410	Advanced Tourism and Hospitality Management
HOSP413	Meeting and Event Risk Management

HOSP415	Destinations and Cultures
HRMT300	Negotiation I
HRMT301	Negotiation II
HRMT407	Human Resource Management
HRMT411	Dispute Resolution
HRMT412	Compensation and Benefits
HRMT413	Employment and Labor Relations
HRMT415	Human Resource Management Information Systems
HRMT416	Human Resource Development
HRMT419	Recruitment and Staffing
HRMT427	International Human Resource Management
HRMT430	Performance Management
INFO331	Management Information Systems
ISSC322	Computer Systems Organization: Advanced
ISSC323	Computer Hardware Systems
ISSC325	Biometrics
ISSC326	Cloud Computing
ISSC331	Legal Issues in Information Security
ISSC343	Wireless Networks
ISSC344	Open Source System Security
ISSC345	Service Oriented Architecture
ISSC351	Computer Forensics
ISSC361	Information Assurance
ISSC363	IT Security: Risk Management
ISSC364	IT Security: Access Control and Authentication
ISSC368	IT Security: Physical and Peripheral Defense
ISSC412	Mobile Application Security
ISSC415	Mobile Device Security
ISSC421	Computer and Network Security
ISSC422	Information Security
ISSC426	Cloud Security and Privacy
ISSC442	Wireless and Mobile Network Security
ISSC451	Cybercrime
ISSC452	Cybersecurity
ISSC455	Digital Forensics: Investigation Procedures and Response
ISSC456	Digital Forensics: Investigating Wireless Networks and Devices
ISSC457	Digital Forensics: Investigating Network Intrusions and Cybercrime Security
ISSC458	Digital Forensics: Investigating Data and Image Files
ISSC459	Digital Forensics: Hard Disc and Operating Systems
ISSC461	IT Security: Countermeasures
ISSC471	IT Security: Auditing
ISSC481	IT Security: Planning and Policy
ISSC483	Privacy and Cyberethics in Mobile and Wireless Networks
ITMG371	Contemporary Internet Topics
ITMG421	Virtual Management

ITMG481	Ethics in Information Technology
MGMT310	Principles and Theory of Management
MGMT311	Organizational Behavior
MGMT312	Leadership & Motivation
MGMT313	Organizational Change
MGMT314	Management Ethics
MGMT315	Management Communications
MGMT331	Leading Yourself Foundations
MGMT410	Strategic Management
MGMT414	Strategic Planning
MKTG304	Public Relations
MKTG305	Advertising
MKTG307	Consumer Behavior
MKTG308	Social Media Marketing
MKTG310	Digital Marketing
MKTG400	Marketing Research
MKTG401	Marketing Strategy
MKTG403	Marketing Management
MKTG407	International Marketing
MKTG420	Branding
MKTG425	Integrated Marketing Communications
RLMT301	Introduction to Reverse Logistics Management
RLMT302	Environmental Issues in Reverse Logistics
RLMT303	Technology in Reverse Logistics
RLMT304	Reverse Logistics Policies and Procedures
RLMT305	Cost and Benefit Analysis of Reverse Logistics
RLMT306	Green Logistics Programs and Issues
RLMT307	Food and Beverage Reverse Logistics
RLMT309	Reverse Logistics Management and Operations
RLMT400	Recalls Best Practices and Issues
RTMG300	Retail Strategy
RTMG301	Retail Innovation
RTMG302	Retail Operations
RTMG303	Retail Merchandising Operations
RTMG310	Digital Retail
RTMG311	Digital Retail Technologies
RTMG312	Digital Retail Analytics
RTMG313	Digital Retail Strategies
RTMG314	Digital Merchandising
RTMG315	Retail Cybersecurity
SPMT316	Sports and Recreation Facility Management
SPMT326	Ethics in Sports
SPMT410	Applied Concepts in Sports Finance
SPMT440	Sports Event Management and Planning
SPMT450	Sports Governance

SPMT455	Ticket Sales Management
TLMT311	Introduction to Transportation Management
TLMT312	Transportation Economics
TLMT313	Supply Chain Management
TLMT318	Hazardous Materials Transportation
TLMT331	Fundamentals of Intermodal Transportation
TLMT341	Logistics Management
TLMT342	International Logistics Management
TLMT351	Packaging
TLMT352	Distribution Systems
TLMT353	Logistics Management and Operations
TLMT381	Hazardous Materials Management
TLMT405	Best Practices in Reverse Logistics
TLMT411	Air Transportation
TLMT415	Airport Operations
TLMT416	Air Cargo Operations and Security
TLMT441	Advanced Business Logistics
TLMT442	International Trade and Regulations

**Communication/Media Technology**

Select 3 courses from the following:

9

COMM300	Communication Research Skills
COMM304	Communication Theory
COMM350	Journalism
COMM351	Strategic Communication
COMM356	Digital Communication and Media Design Principles
COMM360	Inclusive Communication
COMM365	Communication Analytics
COMM370	Situational Communication
COMM375	Web and Mobile Communication
COMM380	Communication of Listening
COMM400	Persuasive Communication
COMM401	Conflict and Communication
COMM402	Media Law
COMM410	Leadership Communication
COMM415	Building a Digital Presence
COMM450	Strategic Communication Career Management and Ethics
COMM456	Digital Communication and Media Design Career Management and Future Technologies
ENGL320	Freelance Writing
ENGL322	The Personal Essay
ENGL402	WordPlay: A Biography of the English Language
ENGL420	Advanced Creative Writing
WEBD300	User Interface Design
WEBD311	Internet Concepts
WEBD321	Web eCommerce Development
WEBD323	Search Engine Optimization



WEBD341	Enterprise Data Exchange Using XML
<b>Public and Social Service</b>	
Select 3 courses from the following:	
CHFD307	Child and Adolescent Development
CHFD308	Infant-Toddler Development
CHFD311	Guidance in Early Childhood
CHFD312	Special Needs Students
CHFD331	Parenting
CHFD340	Family Development
CHFD342	Human Life Span Development
CHFD348	Marriage and the Family
CHFD350	Family Life Education
CHFD360	Family Resource Management
CHFD411	Child Psychopathology
CHFD415	Children and Stress
CHFD445	Family Communications
CHFD446	Families and Social Action
CMRJ302	U.S. Law Enforcement
CMRJ303	Criminology
CMRJ306	Criminal Investigation
CMRJ308	Ethics in Criminal Justice
CMRJ316	Corrections and Incarceration
CMRJ320	Law Enforcement Intelligence Applications
CMRJ324	The History of Organized Crime
CMRJ329	Criminal Profiling
CMRJ335	Crime Analysis
CMRJ341	Criminalistics
CMRJ401	Human Trafficking
CMRJ402	The Pathology of Death Investigations
DEFM305	Acquisition Business Management
DEFM310	Program and Acquisition Management I
DEFM311	Program and Acquisition Management II
DEFM312	Defense Budget Development and Execution
DEFM332	Transition and the Military Family
DEFM410	Program Appraisal
DEFM415	Acquisition Test & Evaluation
DEFM420	Cost Analysis and Negotiation Techniques
DEFM421	Joint Contingency Contracting
DEFM422	Mission Support Contracting I
DEFM423	Mission Support Contracting II
DEFM424	Overhead Management of Defense Contracts
EDMG320	Natural Disaster Management
EDMG321	Social Media Application to Emergency and Disaster Management
EDMG330	Managerial Issues in Hazardous Materials
EDMG340	Consequence Management

EDMG420	Risk Communications
EDUC320	Classroom Management
EDUC340	Adult Learning Theory
EDUC401	Curriculum Design
EDUC402	Measurement and Evaluation
HDFS401	Child Life Theory and Practice
HDFS402	Benefits of Therapeutic Play
HDFS403	Death, Dying, and Grief
INTL301	U.S. Intelligence Community
INTL304	Intelligence Collection
INTL305	Law and Ethics in Intelligence
INTL401	Critical Analysis
INTL402	Intelligence Analysis
INTL408	Counterintelligence Operations
INTL409	Counterintelligence Analysis
INTL410	Counterintelligence
INTL411	International Criminal Organizations
INTL412	Espionage/Counterespionage
INTL413	Denial and Deception
INTL419	Applied Geospatial Intelligence
INTL421	Signals Intelligence and Security
INTL422	Open Source Collection
INTL423	Human Intelligence
INTL424	Interrogation
INTL431	Criminal Intelligence Analysis
INTL432	Geographic Information Systems I
INTL433	Geographic Information Systems II
INTL434	Threat Analysis
INTL440	Cyber Warfare
INTL442	Tactical Intelligence
INTL443	Foreign Intelligence Organizations
INTL446	Intelligence and Narcotics
INTL450	Terrorism and Counterterrorism
INTL451	Terrorism and U.S. National Security
INTL453	Illicit Finance
INTL454	Forecasting Terrorism
IRLS300	Comparative Political Systems
IRLS301	International Organizations
IRLS302	International Development
IRLS310	Introduction to Human Security
IRLS322	African Politics
IRLS331	Asian Politics
IRLS343	Government and Security of Russia
IRLS344	European Politics
IRLS355	Latin American Politics

IRLS360	Global Politics of Islam
IRLS392	Globalization and the Market Economy
IRLS400	Human Rights
IRLS402	International Law and Regimes
IRLS405	National and Transnational Justice
IRLS409	Environmental Security
IRLS412	Comparative Foreign Policy
IRLS413	International Conflict Resolution
IRLS414	Principles of Peacekeeping
IRLS415	Peacekeeping Logistics
IRLS417	International Civil Order
IRLS460	Government & Security in the Middle East
IRLS463	Arab-Israeli Conflict: Contemp. Politics & Dipl.
IRLS468	Politics and Security in the Persian Gulf
LSTD300	Administrative Law and Policy
LSTD301	Constitutional Law
LSTD302	Criminal Law
LSTD303	Family Law
LSTD304	Military Law
LSTD306	International Law
LSTD350	Victim Advocacy
LSTD400	Criminal Legal Process
LSTD401	Maritime Law
LSTD402	Immigration Law and Policy
LSTD453	Evidence
SPHE314	Exercise Physiology
SPHE315	Training and Conditioning
SPHE317	Sports Medicine
SPHE318	Coaching Theory and Methodology
SPHE324	Biomechanics
SPHE417	Leadership Concepts in Coaching
SPHE420	Exercise Programming and Testing
SPHE421	Kinesiology
SPHE426	Principles of Corrective Exercise
SPHE460	Business Aspects of Fitness and Wellness
SPHE461	Current Issues and Trends in Fitness and Wellness

#### Natural and Social Sciences

Select 3 courses from the following:

9

BIOL301	Molecular Biology
BIOL302	Viruses
DATS301	Analytical Methods II
DATS311	Intermediate Data Science
DATS331	Machine Learning I
DATS332	Machine Learning II
DATS344	Probabilistic Graphical Models

DATS351	Sentiment Analysis
DATS371	Fundamentals of Simulation
DATS373	Simulation Techniques
DATS381	Behind the Data, Our values and beliefs
DATS401	Analytical Methods III
DATS411	Advanced Data Science
DATS431	Machine Learning III
DATS432	Deep Learning
DATS433	Artificial Neural Networks using TensorFlow
DATS435	Optimization and Machine Learning
DATS442	Bayesian Methods (Bayesian Inference, Naïve Bays)
DATS443	Generalized Linear Equations Using R
DATS465	Risk Modeling and Assessment
DATS481	Introduction to Python
DATS482	Python and Data Science
ERSC302	Geomorphology
ERSC305	Ocean and Atmospheric Dynamics
ERSC401	Natural Hazards and Society
EVSP310	Water Science
EVSP311	Soil Science
EVSP312	Introduction to Sustainability
EVSP316	U.S. Federal Environmental Organization
EVSP320	Energy and Resource Sustainability
EVSP321	Land Use and Planning
EVSP322	Remote Sensing and Geographic Information Systems
EVSP330	Fish and Wildlife Policies, Programs, and Issues
EVSP331	Public Lands Management
EVSP341	Introduction to Wildlife Management
EVSP342	Population Ecology
EVSP411	Environmental Policy, Regulation, and Law
EVSP413	Environmental and Ecosystems Management
EVSP414	Air Quality Management
EVSP416	General Ecology
EVSP417	Conservation Biology
EVSP418	Green Infrastructure and Renewable Technologies
EVSP421	Water Resources Management
POLS301	Ethics in Politics
POLS311	Political Parties and Interest Groups
POLS312	State, Local, and Community Politics
POLS401	The Psychology of American Politics
POLS410	Public Policy
PSYC300	Research Methods in Psychology
PSYC303	Learning and Cognition
PSYC304	Perception
PSYC305	History and Systems of Psychology

PSYC324	Psychology of Addiction & Substance Abuse
PSYC325	Biopsychology
PSYC343	Adult Development
PSYC360	Psychology of Terrorism
PSYC406	Psychopathology
PSYC431	Psychology of Disaster
PSYC432	Psychology of Combat
SCIN311	Fishery Biology
SCIN314	Botany
SCIN316	Plant Identification, Taxonomy, and Systematics
SCIN400	Research Methods in Natural Sciences
SCIN401	Mammalogy
SCIN402	Ornithology
SPST304	National Space Organization
SPST305	Introduction to Orbital Mechanics
SPST306	Human Space Flight
SPST307	Space Policy
SPST310	Rocket Propulsion
SPST330	Launch and Reentry Systems
SPST340	Tools of the Observatory
SPST341	Tools of the Planetarium
SPST415	Space Station Systems and Operations
SPST425	Satellite and Spacecraft Systems
SPST435	Planetary and Space Exploration
SPST440	Stars and Galaxies
SPST445	Space Transportation Systems
SPST465	Space Weather
SPST485	Space Wargaming
SOCI303	Classical Sociological Theory
SOCI305	Contemporary Sociological Theory
SOCI306	Race and Ethnicity
SOCI307	Sociology of Aging
SOCI310	Military Sociology
SOCI311	Political Sociology
SOCI312	Organizational Sociology
SOCI315	Food and Culture
SOCI331	Research Methods for Sociology
SOCI332	Statistics for Social Science
SOCI403	Social Change
SOCI404	Gender and Society
SOCI420	Sociology of Religion
SOCI421	Sociology of the Family
SOCI422	Sociology of the Law
SOCI423	Sociology of Health and Illness

SOCI424	Sociology of Death and Dying	
Total Semester Hours		39

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
INTD498	Senior Seminar in Interdisciplinary Studies	3
Total Semester Hours		3

Elective Requirements (48 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		48
Total Semester Hours		48

# Bachelor of Arts in Management

The Bachelor of Arts in Management helps to prepare you to transition from the technical aspects of a profession to leading and managing individuals in their respective fields. You will explore management theories, concepts, and practices necessary to organize, motivate, and lead human capital. Successful completion of the online degree program provides practical skills often required for managerial positions and responsibilities in business, as well as nonprofit, government, and military organizations.

This program's curriculum is in alignment with Society for Human Resource Management (<https://www.shrm.org>) (SHRM®) standards. This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

*SHRM® is a registered trademark of the Society for Human Resource Management.*

*ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.*

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Evaluate the functions and applications of various management processes in the areas of planning, organizing, staffing, directing, leading, and controlling.
- Develop strategies for organizational challenges using management theories, principles, and practices.
- Analyze the impact of international, legal, social, political, economic, technological, and environmental issues as they relate to organizational behavior in terms of the individual, group/team, and overall organizational performance.
- Examine the importance of ethical conduct, communication, social responsibility, and corporate responsibility in the global environment.
- Demonstrate skills in critical thinking, data interpretation, and decision making necessary for developing systematic processes and approaches in the management of human capital and achievement of organizational effectiveness.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	24
	Select one of the following concentrations:	12-15
	General Concentration (p. 290)	
	Business Project Management (p. 292)	
	Digital Retailing (p. 292)	
	Entrepreneurship (p. 293)	
	Human Resource Management (p. 294)	
	Leadership (p. 294)	
	Sports Entertainment Management (p. 295)	
	Talent Acquisition and Retention (p. 295)	
	Final Program Requirements	3
	Elective Requirements	48-51
	Total Semester Hours	120

# Degree Program Requirements

## General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
Select 1 course from the following:		3
ECON101	Microeconomics	
ECON102	Macroeconomics	
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	



ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL112	Planning Your Future with Purpose in Business	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	

HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH120	Introduction to Statistics	3
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (24 semester hours)

Code	Title	Semester Hours
HRMT413	Employment and Labor Relations	3
INFO331	Management Information Systems	3
MGMT310	Principles and Theory of Management	3
MGMT311	Organizational Behavior	3
MGMT314	Management Ethics	3
MGMT315	Management Communications	3
MGMT410	Strategic Management	3
TLMT313	Supply Chain Management	3
Total Semester Hours		24

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Business Project Management, Concentration in Digital Retailing, Concentration in Entrepreneurship, Concentration in Human Resource Management, Concentration in Leadership, Concentration in Sports Entertainment Management, or Concentration in Talent Acquisition and Retention.

## General Concentration Requirements (15 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Practice management skills related to the area of study.
- Apply critical thinking and decision-making skills to the area of study.
- Develop management strategies for an organizational setting in the area of study.

## Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
Select 5 courses from the following:		15
ACCT105	Accounting for Non Accounting Majors	
BUSN201	Introduction to Construction Management	
BUSN250	Analytics I	
CMRJ101	Evidence and Procedures	
CMRJ206	Juvenile Delinquency	
CMRJ303	Criminology	
CMRJ306	Criminal Investigation	
HIMA100	Medical Terminology	
HIMA110	Introduction to Health Information Management	
ITCC121	Introduction to Computer Science	
LSTD301	Constitutional Law	
MGMT101	Principles of Supervision	
PBHE111	Introduction to Health Care Administration	
PBHE112	Health Services Organization	
EDMG101	Introduction to Emergency Management	
EDMG220	Emergency Planning	
EDMG230	Emergency and Disaster Incident Command	
SPMT200	Foundations of Sports Management	
BUSN350	Analytics II	
EDMG320	Natural Disaster Management	
EDMG340	Consequence Management	
FINC300	Foundations of Financial Management	
HRMT407	Human Resource Management	
ITMG421	Virtual Management	
MGMT312	Leadership & Motivation	
MGMT313	Organizational Change	
MGMT316	Paving Your Career Path	
MGMT331	Leading Yourself Foundations	
MGMT393	Special Topics in Management	
MGMT414	Strategic Planning	
MKTG307	Consumer Behavior	
SPMT440	Sports Event Management and Planning	

SPMT450	Sports Governance	
Total Semester Hours		15

## Concentration in Business Project Management (12 semester hours)

The concentration in Business Project Management enhances the student's understanding of how businesses depend on project management to move the organization toward its strategic goals. Through this concentration, the student will be introduced to the theories, concepts, and practices that align with project management.

Students will come to understand how projects begin during the sales cycle and continue to be assessed after the project is delivered. Students will be exposed to skill sets to track and monitor projects, develop a schedule and integrate it with costs and risks, prepare presentations for leadership and stakeholders, and create status reports. Companies depend on project management to stay competitive in developing new offerings, determining the technology needed within the enterprise, updating processes and procedures, and implementing projects for customers.

The concentration is designed for business professionals and military personnel interested in project management within the business environment.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the fundamentals of project management.
- Demonstrate varying problems from a risk management standpoint.
- Define the role of projects and project management.
- Create a project charter, a scope statement, a Work Breakdown Structure (WBS), Risk Management Plan, Quality Management Plan, and Stakeholder Management Plan.
- Explain the need for ethical project management.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN451	Introduction to Business Project Management	3
BUSN452	Project Schedule and Scope Management	3
BUSN453	Project Integration, Quality, Resource, and Stakeholder Management	3
RTMG202	Risk Management	3
Total Semester Hours		12

## Concentration in Digital Retailing (15 semester hours)

The concentration includes the world of digital retailing for retail management professionals. Digital retailing encompasses multiple facets of technology from smart stores with product experts, instant data access, to expanded use of artificial intelligence, virtual and augmented reality, expanded mobile/cashier-less capabilities, consumer protection, and seamless customer experiences with e-commerce, m-commerce, and brick and mortar locations. In addition, students have the opportunity to study digital marketing and cyber security.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Explore the evolution of retail markets from pre-industrial to modern day digital retailing.
- Differentiate the various forms of online and digital retailing.
- Evaluate risks inherent to digital retailing including cybersecurity, fraud, and safety protection.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
RTMG310	Digital Retail	3
Select 4 courses from the following:		12
RTMG311	Digital Retail Technologies	
RTMG312	Digital Retail Analytics	
RTMG313	Digital Retail Strategies	
RTMG314	Digital Merchandising	
RTMG315	Retail Cybersecurity	
BUSN320	Principles of E Business	
MKTG310	Digital Marketing	
ISSC452	Cybersecurity	
Total Semester Hours		15

### Concentration in Entrepreneurship (12 semester hours)

Focuses on key concepts and principles of being a successful entrepreneur or small business owner. You will examine leadership practices, feasibility of ideas, funding, and customer service specific to a small business.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Establish entrepreneurial factors affecting product and services in the reverse logistic environment
- Apply customer service skills to entrepreneurial projects, programs or organizations
- Analyze entrepreneurial ventures understand sources of funding and other legal requirements

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
ENTR150	Idea Generation	
ENTR200	Leadership in Small Business Ventures	
ENTR210	Entrepreneurs as Leaders	
ENTR300	Foundations of Entrepreneurship	
ENTR310	The Family Owned Business	
ENTR311	Business Plan Foundations	
ENTR340	Small Business Customer Service	

ENTR425

Operating a Small Business

Total Semester Hours

12

## Concentration in Human Resource Management (15 semester hours)

Delves into the laws, rules, regulations, policies, trends, and issues affecting both human capital in the workplace and the field of human resource management. Compares compensation packages and incentives used to recruit and retain employees. Includes the selection, training, and development of employees, as well as performance appraisal and reward systems.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine various laws, rules, regulations, and policies affecting human capital in today's workplace.
- Compare and contrast compensation packages and incentives used to recruit and retain employees for various positions in an organization.
- Assess leading trends and issues in the field of Human Resource Management.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
HRMT407	Human Resource Management	3
HRMT412	Compensation and Benefits	3
HRMT415	Human Resource Management Information Systems	3
HRMT416	Human Resource Development	3
HRMT419	Recruitment and Staffing	3
Total Semester Hours		15

## Concentration in Leadership (15 semester hours)

Provides a foundation in the leadership process and motivation. Examines management techniques in organizational change and transformation, and the processes of conflict resolution. Additional topics include common leadership theories exercised in business, military, and political contexts in public and nonprofit organizations.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine measurement tools that will assist one with determining levels of self-awareness, emotional intelligence, and personality.
- Demonstrate techniques that will lead others to greater personal self-awareness through general counseling and active listening.
- Develop strategies on creating change in the workplace, including how to build teams and lead staff during critical times.
- Evaluate the principles of leader development in organizations and the tools that allow development and growth to occur (i.e. 360-degree assessments, mentoring).

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
HRMT411	Dispute Resolution	3
MGMT312	Leadership & Motivation	3

MGMT313	Organizational Change	3
MGMT331	Leading Yourself Foundations	3
MGMT414	Strategic Planning	3
Total Semester Hours		15

## Concentration in Sports Entertainment Management (15 semester hours)

Helps to prepare graduates to position themselves for jobs within the sports and events world, and is ideal for the individual focused on mastering the sports world from a business management perspective. It combines the necessary technical components of the sports industry with the foundation skills for orchestrating such events (human capital behavior and motivation, organization resources and development, culture and relationships, sport and law and emerging issues in sports and entertainment).

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Demonstrate technical and managing skills to develop an event in the sport and entertainment industry.
- Integrate coursework and networking opportunities to help create a pathway into the sports and entertainment business world.
- Apply concepts and theory to the sport and entertainment world by developing an ePortfolio to showcase skills acquired in the program.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
LSTD209	Sports Law, Risk, and Regulation	3
SPMT279	Social Issues in Sports	3
SPMT200	Foundations of Sports Management	3
SPMT230	Integrated Communication in Sports	3
SPMT440	Sports Event Management and Planning	3
Total Semester Hours		15

## Concentration in Talent Acquisition and Retention (15 semester hours)

Given the current economy, many business leaders believe that their #1 priority is to hire and retain specific talent for their organizations. Companies are seeking opportunities to attract passive candidates, but the market is competitive. This concentration seeks to assist students with developing strategies that entice potential candidates to work in various fields.

### Objectives

Upon completion of this concentration, students will be able to:

- Develop strategies for hiring employees that will embrace the organization's culture
- Create onboarding strategies that promote higher productivity
- Analyze techniques that encourage recruiters to think like marketers.
- Implement an employer brand to attract potential candidates.
- Outline a development plan to further an employee's career.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
MKTG201	Fundamentals of Marketing	3
MGMT312	Leadership & Motivation	3
MKTG305	Advertising	3
HRMT419	Recruitment and Staffing	3
HRMT416	Human Resource Development	3
Total Semester Hours		15

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
MGMT496	Capstone: Portfolio <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

### Elective Requirements (48-51 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		48-51
Total Semester Hours		48-51



# Bachelor of Arts in Marketing

The Bachelor of Arts in Marketing provides a variety of knowledge and skills applicable to nearly any industry where marketing efforts such as advertising, public relations, promotions and events, market research, sales, and ecommerce play a significant role in the growth of the organization. This bachelor's program is designed to increase your self-motivation, self-confidence, and your ability to work well with others. You'll discover creative problem solving and be taught how to take appropriate business risks and spot market trends in the corporate, government, and military sectors.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Integrate the marketing function with fundamental business enterprise concepts and principles of management, finance, strategic planning, and information systems.
- Apply marketing principles to a particular business.
- Use marketing research to identify and exploit business opportunities.
- Critically analyze an organization's marketing function and assemble and apply the various marketing strategies and techniques that align with the organization's mission.
- Develop a strategic marketing plan

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	36
	Select one of the following concentrations:	12
	General Concentration (p. 300)	
	Analytics (p. 301)	
	Digital Marketing (p. 301)	
	Internet/Web Technology (p. 302)	
	Retail Management (p. 302)	
	Final Program Requirements	3
	Elective Requirements	39
	Total Semester Hours	120

# Degree Program Requirements

## General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
Select 1 course from the following:		3
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	

ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL112	Planning Your Future with Purpose in Business	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL226	Effective Business Communication	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH110	College Algebra	3
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	

BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines

Total Semester Hours 30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (36 semester hours)

Code	Title	Semester Hours
BUSN100	Basics of Business	3
MGMT101	Principles of Supervision	3
MKTG201	Fundamentals of Marketing	3
ACCT105	Accounting for Non Accounting Majors	3
BUSN235	Personal Finance	3
MATH120	Introduction to Statistics	3
BUSN311	Law and Ethics in the Business Environment	3
FINC300	Foundations of Financial Management	3
MKTG308	Social Media Marketing	3
MKTG400	Marketing Research	3
MKTG401	Marketing Strategy	3
MKTG420	Branding	3
Total Semester Hours		36

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Analytics, Concentration in Digital Marketing, Concentration in Internet/Web Technology, or Concentration in Retail Management.

## General Concentration (12 semester hours)

This general concentration allows you to select from all concentration courses offered in this program, including marketing, sales, advertising, analysis, and public relations courses.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
BUSN330	Fundamentals of Business Analysis I	
BUSN331	Fundamentals of Business Analysis II	
BUSN333	Project Management for Business Analysts	
BUSN336	Strategic Policy Decision-Making	

MKTG301	Principles of Sales	
MKTG304	Public Relations	
MKTG305	Advertising	
MKTG403	Marketing Management	
MKTG407	International Marketing	
MKTG425	Integrated Marketing Communications	
Total Semester Hours		12

## Concentration in Analytics (12 semester hours)

Data procurement and analysis is a vital role in marketing and business. It helps ensure that the business is operating efficiently, that marketing programs that are implemented are effective, and creates better tools for marketers to use during the decision-making process. In addition to the institutional, general education, and program level learning objectives, the Concentration in Analytics is designed to provide additional information to marketing students to enhance their skills to make more objective-based decisions in today's business environment.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify business needs and problem domains.
- Analyze processes and behavior requirements for problem solutions.
- Diagram current and proposed business processes using various tools and techniques.
- Recommend business solutions.
- Develop business processes and improvements.
- Develop functional business capabilities.
- Facilitate and manage recommended projects.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN330	Fundamentals of Business Analysis I	3
BUSN331	Fundamentals of Business Analysis II	3
BUSN333	Project Management for Business Analysts	3
BUSN336	Strategic Policy Decision-Making	3
Total Semester Hours		12

## Concentration in Digital Marketing (12 semester hours)

Digital marketing serves as a primary means of reaching existing and potential customers in the modern world of business. Knowledge of the tools utilized in the digital marketing space are becoming essential for marketing professionals. The digital marketing concentration is designed to build on the knowledge gained in the Bachelors of Arts Marketing program and to provide focus on marketing from a digital perspective and developing an integrated marketing strategy.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain the principles and practices of digital marketing.
- Analyze Web technology tools available to manage and enhance marketing programs.
- Apply digital marketing concepts and skills to promote integrated marketing strategies.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
WEBD122	Introduction to Web Analytics	3
WEBD323	Search Engine Optimization	3
MKTG310	Digital Marketing	3
MKTG425	Integrated Marketing Communications	3
Total Semester Hours		12

### Concentration in Internet/Web Technology (12 semester hours)

Internet and web technology play a vital role in marketing and business. Internet and web technology serves as a primary means to touch existing and potential customers. To be effective, marketers need to have a working understanding and knowledge of the tools utilized in the Internet/Web Technology space. Without this underpinning knowledge, it can be difficult to translate the needs of the marketing organization to the IT professionals that perform the coding and technological work. In addition to the institutional, general education, and program level learning objectives, the Concentration in Internet and Web Technology is designed to provide additional information to marketing students to enhance their skills to make more objective-based decisions in today's business environment.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze Web technology tools available to manage and enhance marketing programs.
- Explain the principles and practices of Internet/Web technology.
- Apply Web analytics, Web videography, search engine optimization, and Web content management systems skills to promote marketing program effectiveness.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
WEBD122	Introduction to Web Analytics	3
WEBD311	Internet Concepts	3
WEBD321	Web eCommerce Development	3
WEBD323	Search Engine Optimization	3
Total Semester Hours		12

### Concentration in Retail Management (12 semester hours)

According to the National Retail Federation, Retail directly and indirectly supports 42 million jobs, provides \$1.6 trillion in labor income and contributes \$2.6 trillion annually to U.S. GDP. As the retail industry grows, the marketing aspects of retail management will be key to growth, expansion, and survival. Marketers need to have an understanding of the retail management space and to look beyond traditional formats, products, and services to ensure successful marketing practices are being utilized and practiced.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Define the importance of retail strategy formulation and the impact of retailing on the economy in the global environment.
- Examine and identify the retailing process and how today's managers assess and implement strategies used in the management of information technology, financial, and human resources.
- Explore and examine analytical techniques for diagnosing the competitive position of retail focused strategy, and identifying and analyzing specific retail options.
- Explore and examine major differences between a successful versus poorly run retail operation to include visual communication, store design, employee recruitment, and consumer value propositions.
- Explore and examine the many factors of merchandise blending and how to determine which components are needed for successful assortments for the consumer.
- Explore and examine the dynamic and competitive nature of the retail industry.

## Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
RTMG201	Retail Inventory Management	3
RTMG300	Retail Strategy	3
RTMG301	Retail Innovation	3
RTMG303	Retail Merchandising Operations	3
Total Semester Hours		12

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
MKTG495	Senior Seminar in Marketing (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

## Elective Requirements (39 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		39
Total Semester Hours		39

# Bachelor of Arts in Military History

The Bachelor of Arts in Military History is designed for students seeking greater understanding of military historiography studies in the context of a general liberal arts education. The online bachelor’s program is designed differently than many military history programs because it focuses primarily on armed conflict and how their outcomes shaped civilizations throughout history. This history major also emphasizes critical and analytical thinking, and effective research and writing skills. Graduates with military history degrees can be found in historical preservation careers as curators, archivists, or educators, or in other professions requiring strong communication skills.

Many university faculty members teaching these courses are published historians or military leaders who bring unique perspectives and relevant research into the classroom. You’ll also connect and interact online with other students who share your enthusiasm for history.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate knowledge of key historical facts, values, and ideas that have shaped civilizations throughout history.
- Analyze primary sources in their historical context.
- Analyze secondary sources and identify various approaches to historical interpretation through critical reading.
- Evaluate historical arguments based on primary sources and the historical method.
- Demonstrate ability to conduct independent historical research in primary and secondary sources and complete a major research paper.

## Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		21
Select one of the following concentrations:		30
General Concentration (p. 307)		
American Military History (p. 308)		
Final Program Requirements		6
Elective Requirements		33
Total Semester Hours		120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	



DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL111	Planning Your Future with Purpose in Humanities & Education
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology

RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning(3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	

**Natural Sciences (3 semester hours)**

Select 1 course from the following: 3

BIOL180	Introduction to Biology
BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines

Total Semester Hours 30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.**Major Required (21 semester hours)**

Code	Title	Semester Hours
MILH201	Introduction to Military History	3
MILH202	Survey of American Military History	3
MILH221	War From Antiquity to 1700	3
MILH222	War from 1700 to the Present	3
HIST300	Research Methods in History	3
MILH303	Readings in Military Leadership	3
MILH304	Readings in Military Philosophy	3
Total Semester Hours		21

Students must choose a concentration for this degree program and may select from a General Concentration or a Concentration in American Military History.

**General Concentration (30 semester hours)**

Students who pursue the General Concentration will learn about the "big picture" through exposure to five historical perspectives. They will learn critical and analytical thinking, and effective writing and research methods. Students study the philosophies, personalities, strategies, leadership, and other factors that influenced the world. Topics cover Ancient and Classical Military History, American Military Campaign Histories, Diplomacy and Peacekeeping, Strategy and Operations, and Current Issues and Future Trends.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Identify a broad knowledge of the historical literature that pertains to the topics of study included in the degree program and locate the linkage between historical studies and allied disciplines.
- Interpret historical forces that have shaped social change and contemporary human problems and discern an understanding of the historical experiences that go beyond a single time period and national or cultural experience.
- Analyze historical material and make judgments, to establish causal relationships between facts, to find order and patterns, and to answer why and how - not just simply report.

- Analyze the contributions of the major military philosophers and leaders to the understanding of military history.
- Examine the dynamics of diplomacy and peacekeeping as they have existed throughout history and in the present.
- Discuss the major military events, technologies, and nations that shaped our past and contemporary world.
- Examine the operational art and warfare options practiced in historical and modern scenarios.

### Concentration Requirements (30 semester hours)

Code	Title	Semester Hours
MILH362	Ancient Military History	3
MILH363	17th and 18th Century Military History	3
MILH364	Medieval Military History	3
MILH365	The Napoleonic Wars and the Long Peace	3
MILH355	World War I	3
MILH360	World War II	3
HIST415	The Cold War	3
MILH370	The Korean War	3
Select 2 courses from the following:		6
HIST308	History of European Colonialism	
MILH320	The American Revolution	
HIST406	Civil War And Reconstruction, 1861-1877	
MILH371	The Vietnam War	
MILH480	Special Topic: Military History <sup>1</sup>	
MILH490	Independent Study: History <sup>1</sup>	
Total Semester Hours		30

<sup>1</sup> Students will need permission from the Department Chair to take this course.

### Concentration in American Military History (30 semester hours)

A student enrolled in the Concentration in American Military History is recommended to take HIST101 - American History to 1877 and HIST221 - African American History before 1877 as part of their General Education Requirements.

Students who pursue this concentration will focus on American Military History from Colonial America to the present. Students study the philosophies, personalities, strategies, leadership, and other factors that influenced American Military History. Topics focus on military operations but also cover foreign policy and domestic political, economic, and social components of early America to the Persian Gulf War.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify causes of America's break from the British Empire.
- Compare and contrast the philosophy of early American leaders.
- Analyze the reasons America pushed westward and what that expansion entailed.
- Identify and give examples of the causes of the Civil War as well as differentiate the outcomes of that war in the North and the South.
- Assess the social, economic, and political situation in America leading up to the 20th century.
- Identify the causes of the Great Depression and recognize the attempts that were made to bring America out of it.
- Analyze America's reasoning for joining both World Wars as well as identify military policy and strategy that contributed to eventual victory.

- Elaborate on the political background of the Cold War and what factors led to diplomatic struggles between the United States and the Soviet Union.
- Integrate the cultural revolution of the 1960s and what was happening in Vietnam.
- Identify major political, cultural, and economic developments from the 1980s to the 21st Century.

### Concentration Requirements (30 semester hours)

Code	Title	Semester Hours
HIST402	Colonial America	3
MILH320	The American Revolution	3
HIST405	Antebellum America, 1846-1861	3
HIST406	Civil War And Reconstruction, 1861-1877	3
MILH355	World War I	3
MILH360	World War II	3
MILH370	The Korean War	3
MILH371	The Vietnam War	3
Select 2 courses from the following:		6
HIST403	The Early Republic, 1783-1815	
HIST404	Jacksonian America, 1815-1846	
HIST407	The Gilded Age, 1877-1900	
HIST408	The United States: 1900 to Second World War	
HIST409	The United States: WW II to the Present	
HIST480	Special Topic: History	
HIST490	Independent Study: History	
MILH480	Special Topic: Military History <sup>1</sup>	
MILH490	Independent Study: History <sup>1</sup>	
Total Semester Hours		30

<sup>1</sup> Students will need permission from the Department Chair to take this course.

### Final Program Requirements (6 semester hours)

Code	Title	Semester Hours
HIST491	Writing a Research Proposal	3
MILH498	Senior Seminar in Military History (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		6

<sup>1</sup> Prerequisite: HIST491 - Writing a Research Proposal. Senior Standing and completion of all major courses prior to enrollment. May not be taken concurrently with HIST491.

Elective Requirements (33 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		33
Total Semester Hours		33

# Bachelor of Arts in Philosophy

The Bachelor of Arts in Philosophy degree is designed to expose students to the fundamentals of Western philosophy. Courses in this program will enable students to explore the history of Western philosophy, logic, ethics, the philosophy of science, and the fundamentals of metaphysics and ethics.

Through the use of logic and argumentation, students will learn to think critically and objectively, write clearly and effectively, and navigate complex intellectual, social, and legal issues. This program offers three concentrations, such as ethics, the history of philosophy, or social justice. This program helps to prepare students for professional responsibilities often requiring a high level of analytical thought, in fields such as ethicists, instructors, businesspeople, or workers in organizations dedicated to social justice.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Examine the historical development and evolution of philosophy from its origins through contemporary times.
- Evaluate the various schools of philosophical and moral thought, as well as the historical context and the rationale behind their respective development.
- Apply logic by demonstrating the proper use of inductive, deductive, and abductive reasoning.
- Evaluate various criteria for justifying claims of knowledge and morality.
- Construct philosophical positions in various compositions and critically analyze philosophical questions.
- Apply philosophical inquiry to contemporary events.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	21
	Select one of the following concentrations:	15
	History of Philosophy (p. 314)	
	Society and Justice (p. 315)	
	Final Program Requirements	3
	Elective Requirements	51
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
	Select 2 courses from the following:	6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	

ARTH240	Survey of Photography
ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL110	Critical Thinking
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL111	Planning Your Future with Purpose in Humanities & Education
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology



RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	

**Natural Sciences (3 semester hours)**

Select 1 course from the following: 3

BIOL180	Introduction to Biology
BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines

Total Semester Hours 30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.**Major Required (21 semester hours)**

Code	Title	Semester Hours
COLL300	Research, Analysis, and Writing	3
PHIL101	Introduction to Philosophy	3
PHIL110	Critical Thinking	3
PHIL200	Introduction to Ethics	3
PHIL300	Logic	3
PHIL202	Philosophy of Science	3
Select 1 course from the following:		3
PHIL400	Contemporary Issues in Philosophy	
PHIL405	Metaphysics and Epistemology	
Total Semester Hours		21

Students must choose a concentration for this degree program and may select from a Concentration in History of Philosophy or a Concentration in Society and Justice.

**Concentration in History of Philosophy (15 semester hours)**

This concentration looks at the five historical divisions in philosophy – ancient, medieval, modern, analytic, and continental and post-modern – to trace the evolution of principle theories and solutions to philosophical problems. Students who complete this concentration should be well prepared to advance to any graduate program in philosophy and be well versed in the evolution of Western philosophy.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Explore the ancient roots of Western philosophical thinking.
- Analyze how Western philosophy transitioned from being the "handmaiden of theology" to an independent tool of inquiry and understanding.
- Assess the place of Western philosophy during and after the Enlightenment.
- Examine important advancements and theories from both primary branches of current Western philosophy.

**Concentration Requirements (15 semester hours)**

Code	Title	Semester Hours
PHIL302	Ancient Western Philosophy	3
PHIL303	Medieval Philosophy	3
PHIL401	Modern Philosophy from Descartes to Kant	3
PHIL403	Continental and Post-Modern Philosophy	3
PHIL417	Analytical Philosophy	3
Total Semester Hours		15

**Concentration in Society and Justice (15 semester hours)**

This concentration allows students to gain a general understanding of philosophy while facilitating a special focus on ethics and legal topics sufficient to prepare students to seek a career path involving any form of social justice. Students will review the ethics associated with biomedicine and the environment, the nature of law from a philosophical and sociological perspective, and ethics from either a business perspective or legal perspective. Students completing this concentration should be well equipped to discuss and analyze topics related to our ever-evolving political and social landscape.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Evaluate various moral theories as adapted and applied to biology and the environment.
- Differentiate the fundamentals of law from a philosophical and sociological perspective.
- Examine how ethics and the law shape modern, successful business practices.
- Examine the intersection between ethics and law as they impact our political and social environment.

**Concentration Requirements (15 semester hours)**

Code	Title	Semester Hours
PHIL320	Environmental Ethics	3
PHIL330	Philosophy of Law	3
PHIL340	Bioethics	3
SOCI422	Sociology of the Law	3
Select 1 course from the following:		3
BUSN311	Law and Ethics in the Business Environment	
LSTD210	Legal Ethics	
Total Semester Hours		15

**Final Program Requirements (3 semester hours)**

Code	Title	Semester Hours
PHRL498	Religion and Philosophy Capstone (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (51 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		51
Total Semester Hours		51

# Bachelor of Arts in Political Science

The Bachelor of Arts in Political Science does more than teach about politics – it empowers you with the skills needed to inquisitively question political systems. Questions like: How does a federal republic differ from a democracy? How does a party system affect governance? These are the types of questions that political scientists explore, but they also represent issues that require ordinary citizens to make informed judgments. Knowledge gained in this online program can be applied to the gaining and holding of elected positions, or to government and military service or other professions where strong interpersonal and communication skills are required.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

### Political Theory and Systems

- Analyze the fundamental theories and philosophies of government, governance, economy, and civil society.
- Compare and contrast the political elements of representative democracy and with other political systems.

### The United States Political System

- Assess the three institutions of government that create and implement federal policy.
- Analyze the historical evolution and contemporary manifestations of the federal system.

### Political Parties and Interest Groups

- Analyze the various roles of interest groups in the United States in both historical and modern democratic processes.
- Assess the impact of political parties on federal, state, and local government.
- Analyze the concept of diversity in American politics, to include gender, ethnicity, and age.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	27
	Select one of the following concentrations:	15
	American Government (p. 321)	
	International Relations (p. 321)	
	Political Theory (p. 322)	
	Final Program Requirements	3
	Elective Requirements	45
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	

COLL115	Planning Your Future with Purpose in Security & Global Studies	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	

HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (27 semester hours)

Code	Title	Semester Hours
IRLS200	Information Literacy and Global Citizenship	3
POLS210	American Government I	3
POLS213	Political Theory	3
IRLS300	Comparative Political Systems	3
POLS301	Ethics in Politics	3
POLS311	Political Parties and Interest Groups	3
POLS312	State, Local, and Community Politics	3
SOCI311	Political Sociology	3
POLS410	Public Policy	3
Total Semester Hours		27

Students must choose a concentration for this degree program and may select from the Concentration in American Government, Concentration in International Relations, or Concentration in Political Theory.



## Concentration in American Government (15 semester hours)

Expands on the fundamental elements introduced in POLS210 - American Government. Includes a more in-depth look into the American federal system, details on the U.S. judicial system and constitutional law, the operation of U.S. intelligence community, and the factors that affect political decision making in the U.S.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the interdisciplinary field of political psychology and how it relates to the study of American politics.
- Explain the philosophical basis and functioning of the American republic.
- Analyze threats against the United States from nation states, non-state actors, and transnational groups.
- Identify historical events and figures that have contributed to the present-day court system in America.
- Describe how and why the Constitution developed.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
POLS211	American Government II	3
LSTD204	Introduction to the Courts	3
INTL301	U.S. Intelligence Community	3
LSTD301	Constitutional Law	3
POLS401	The Psychology of American Politics	3
Total Semester Hours		15

## Concentration in International Relations (15 semester hours)

Explores various international issues affecting the world today, such as human rights and the global economy. Topics include the United Nations, NATO, national and transnational justice, and international civil order. Completion of this concentration may lead to eligibility to obtain a Peace Operations Training Institute certificate.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain how global issues, such as globalization and human rights, affect international relations.
- Discuss how international organizations, such as the United Nations and NATO, define collective security, particularly regarding peacekeeping operations.
- Describe how international justice is established and enforced.
- Examine various global development initiatives to reverse failed and failing nation-states.

**Concentration Requirements (15 semester hours)**

Code	Title	Semester Hours
IRLS211	International Relations II	3
IRLS301	International Organizations	3
IRLS302	International Development	3
IRLS405	National and Transnational Justice	3
IRLS417	International Civil Order	3
Total Semester Hours		15

**Concentration in Political Theory (15 semester hours)**

This concentration includes a heavy grounding in philosophy, which is designed to help describe how political theory has evolved through the centuries. Courses cover ancient philosophers, such as Aristotle, to more modern figures like Marx, as well as major contemporary political issues like capital punishment, abortion, and freedom of thought.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Discuss the development and evolution of political theory from their origins to contemporary times.
- Analyze and evaluate political theoretical arguments from historical to contemporary sources.
- Apply political theoretical inquiry to contemporary events.
- Evaluate how philosophy influences political theory over time.
- Critique current political theories for validity.

**Concentration Requirements (15 semester hours)**

Code	Title	Semester Hours
PHIL101	Introduction to Philosophy (This course is required as the first course in the concentration.)	3
PHIL302	Ancient Western Philosophy	3
PHIL400	Contemporary Issues in Philosophy	3
PHIL401	Modern Philosophy from Descartes to Kant	3
PHIL403	Continental and Post-Modern Philosophy	3
Total Semester Hours		15

**Final Program Requirements (3 semester hours)**

Code	Title	Semester Hours
POLS497	Senior Seminar in Political Science (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (45 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		45
Total Semester Hours		45

# Bachelor of Arts in Psychology

The Bachelor of Arts in Psychology examines the workings of the human mind by studying aspects of developmental, organizational, and abnormal psychology. Emphasis is on applying the science of human behavior to vocational, personal, academic, and clinical settings. This online bachelor's degree is intended for students who are interested in public-facing professions such as politics, law, counseling, human services, education, law enforcement, military service, human-computer interaction, and public management.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Articulate the major theoretical, historical, and conceptual ideas that underpin the broad discipline and specialty areas of psychological science.
- Evaluate psychological research using scientific and quantitative reasoning.
- Identify the education, roles, ethical standards, and professional responsibilities of psychologists in research, practice, and academic contexts.
- Create clear and concise professional communications appropriate to different audiences and people with diverse backgrounds.
- Develop evidence of skills, qualifications, and work ethics that graduate programs and employers desire in psychology graduates.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	54
	Final Program Requirements	3
	Elective Requirements	33
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	

LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 course from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
COLL111	Planning Your Future with Purpose in Humanities & Education
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3

Select 1 course from the following: 3

COMM200	Public Speaking
ENGL101	Proficiency in Writing
ENGL115	Argumentation and Rhetoric
ENGL210	Introduction to Literature
ENGL220	Technical Writing
ENGL221	Scientific Writing
ENGL226	Effective Business Communication
HRMT101	Human Relations Communication
IRLS200	Information Literacy and Global Citizenship
ITCC231	Introduction to Information Technology Writing
MGMT100	Human Relations

### History (3 semester hours)

Select 1 course from the following 3

HIST101	American History to 1877
HIST102	American History since 1877
HIST111	World Civilization before 1650
HIST112	World Civilization since 1650
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877
HIST222	African-American History since 1877
HIST223	History of the American Indian
HIST270	History of Science
STEM185	The History and Context of STEM

### Mathematics and Applied Reasoning (3 semester hours)

Select 1 course from the following: 3

ACCT100	Accounting I
ACCT105	Accounting for Non Accounting Majors
ENTD200	Fundamentals of Programming
MATH110	College Algebra
MATH111	College Trigonometry
MATH112	Pre-Calculus
MATH125	Math for Liberal Arts Majors
MATH225	Calculus

### Natural Sciences (3 semester hours)

Select 1 course from the following: 3

BIOL180	Introduction to Biology
BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science

PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (54 semester hours)

Code	Title	Semester Hours
PSYC101	Introduction to Psychology	3
MATH120	Introduction to Statistics	3
PSYC221	Personality Theories	3
ENGL221	Scientific Writing	3
CHFD342	Human Life Span Development	3
PSYC303	Learning and Cognition	3
PSYC300	Research Methods in Psychology	3
SOCI332	Statistics for Social Science	3
PSYC304	Perception	3
PSYC305	History and Systems of Psychology	3
PSYC325	Biopsychology	3
PSYC406	Psychopathology	3
Select 6 courses from the following 2 categories:		18
<b>Social/Developmental Psychology</b>		
PSYC201	Introduction to Social Psychology	
CHFD220	Human Sexuality	
CHFD308	Infant-Toddler Development	
CHFD215	Introduction to Child Development	
CHFD307	Child and Adolescent Development	
PSYC343	Adult Development	
<b>Clinical/Forensic/Applied Psychology</b>		
PSYC431	Psychology of Disaster	
PSYC432	Psychology of Combat	
PSYC360	Psychology of Terrorism	
PSYC460	Sports Psychology	
PSYC324	Psychology of Addiction & Substance Abuse	
Total Semester Hours		54

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
PSYC498	Senior Seminar in Psychology (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (33 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		33
Total Semester Hours		33



# Bachelor of Arts in Religion

The Bachelor of Arts in Religion allows students to study the cultural, political, and spiritual aspects of religion while being exposed to the theological tenets of religious thought and expression. This degree program uses a multidisciplinary approach to religious study from the viewpoints of both participant and critic.

Students will also examine the origin, history, beliefs, and practices of the world’s major religions. This degree program is intended to help prepare students for professional responsibilities that focus on human services, foreign diplomatic services, or pastoral assistance.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the term “religion” and identify religion’s influence throughout society.
- Analyze the universal and unique forms of religious expression, such as sacred places, symbols, ethics, and rituals.
- Assess the concepts that comprise a religious worldview such as the creation of the world, good and evil, salvation, and the meaning of suffering.
- Analyze various political, social, and other forms of religious life that are evident in different societies.
- Demonstrate knowledge of the cultural, social, scientific and religious aspects of society.
- Explain the role that faith can play in a balanced worldview.

## Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		39
Select 1 of the following concentrations:		15
Christian Studies (p. 333)		
Non-Profit Leadership (p. 333)		
Final Program Requirements		3
Elective Requirements		33
Total Semester Hours		120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	

DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Science (6 semester hours) <sup>1</sup></b>		
SOCI111	Introduction to Sociology	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL111	Planning Your Future with Purpose in Humanities & Education	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	

PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	

**Natural Sciences (3 semester hours)**

Select 1 course from the following: 3

BIOL180	Introduction to Biology
BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines

Total Semester Hours 30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.**Major Required (39 semester hours)**

Code	Title	Semester Hours
RELS101	Introduction to the Study of Religion	3
RELS201	Introduction to World Religions	3
RELS202	Religion in America	3
COLL300	Research, Analysis, and Writing	3
RELS205	Christianity	3
RELS330	Religions of the Middle East	3
RELS260	Race & Religion	3
Select one course from the following:		3
RELS353	Islam	
RELS360	East Asian Religions	
RELS370	South Asian Religions	
RELS250	Death and Dying	3
PHIL410	God and World	3
RELS405	Myth and Ritual	3
Select one course from the following:		3
RELS270	Hope and Resilience	
RELS411	Religious Existentialism	
Select one course from the following:		3
RELS462	New Religious Movements and Cults	
SOCI420	Sociology of Religion	
Total Semester Hours		39

Students must choose a concentration for this degree program and may select from a Concentration in Christian Studies or a Concentration in Non-Profit Leadership.

## Concentration in Christian Studies (15 semester hours)

In this concentration, students will focus on the philosophy and teachings of Jesus Christ and his apostles, and the subsequent intellectual and cultural movements and institutions based on Christianity. Includes instruction in Christian sacred scripture, Christian literature and philosophy.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Describe the life and teaching of Jesus Christ and his apostles
- Apply Christian philosophy to current events
- Explore foundations of Christian faith and religious devotion based on Bible studies
- Apply spiritual, philosophical, and literary concepts from a general Christian perspective

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
RELS206	Contemporary Christianity	3
RELS211	Introduction to the Old Testament	3
RELS212	Introduction to the New Testament	3
RELS311	Introduction to the Bible	3
RELS422	The Teachings of Jesus	3
Total Semester Hours		15

## Concentration in Non-Profit Leadership (15 semester hours)

In this concentration, students will focus on the theory and practice of providing socially responsive religious and educational leadership within religious non-profit organizations. Students will gain knowledge about serving as administrative non-ordained religious leaders of faith communities and non-profit religious organizations. Based on specific courses selected within the concentration, includes instruction in religious studies, accounting, strategic planning, leadership, business management, and public relations for religious non-profit organizations.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply socially responsive theoretical approaches to leading religious non-profit organizations
- Identify specific business-management practices to sustain a religious non-profit organization
- Explore and discuss the administrative and organizational needs of a religious non-profit organization, including accounting, strategic planning, business management, and public relations.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
RELS305	Theology of Social Responsibility	3
Select 4 courses from the following:		12
BUSN100	Basics of Business	
ACCT105	Accounting for Non Accounting Majors	
FINC300	Foundations of Financial Management	

MKTG304	Public Relations	
MKTG307	Consumer Behavior	
MGMT312	Leadership & Motivation	
ENTR313	Non-Profit Entrepreneurship	
MGMT414	Strategic Planning	
BUSN410	Critical Thinking Strategies for Business Decisions	
Total Semester Hours		15

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
PHRL498	Religion and Philosophy Capstone (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

### Elective Requirements (33 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		33
Total Semester Hours		33

# Bachelor of Arts in Retail Management

The Bachelor of Arts in Retail Management emphasizes both theoretical knowledge and the practical skills needed to effectively manage a variety of retail operations. This online bachelor's degree will focus on interpersonal, managerial, human resource, leadership, communication, and the critical thinking skills necessary for success in the retail industry. Completion of this online program can help to develop new skills necessary in the professional retail store manager fields.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply the principles and theories of planning, organizing, staffing, directing, leading, and controlling in retail management used by successful retailers in today's global economy.
- Assess the importance of retail strategy formulation and strategic perspectives of retail management on the impact of retailing in the global economy.
- Deconstruct the impact of innovation within the retail industry to include its challenges and solution-driven strategies to remain current with today's ever-changing technologies.
- Evaluate retail operations to include successful implementation strategies and operational processes that maximize store profits.
- Summarize and assess retail merchandising operations in the competitive marketplace in relation to corporate profitability.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	39
	Select one of the following concentrations	9
	Business Analytics (p. 339)	
	Digital Retailing (p. 339)	
	Marketing (p. 340)	
	Reverse Logistics Management (p. 340)	
	Final Program Requirements	3
	Elective Requirements	39
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	



COLL112	Planning Your Future with Purpose in Business
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3

Select 1 course from the following: 3

COMM200	Public Speaking
ENGL101	Proficiency in Writing
ENGL115	Argumentation and Rhetoric
ENGL210	Introduction to Literature
ENGL220	Technical Writing
ENGL221	Scientific Writing
ENGL226	Effective Business Communication
HRMT101	Human Relations Communication
IRLS200	Information Literacy and Global Citizenship
ITCC231	Introduction to Information Technology Writing
MGMT100	Human Relations

**History (3 semester hours)**

Select 1 course from the following: 3

HIST101	American History to 1877
HIST102	American History since 1877
HIST111	World Civilization before 1650
HIST112	World Civilization since 1650
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877
HIST222	African-American History since 1877

HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (39 semester hours)

Code	Title	Semester Hours
RTMG300	Retail Strategy	3
RTMG301	Retail Innovation	3
RTMG302	Retail Operations	3
RTMG303	Retail Merchandising Operations	3
HRMT407	Human Resource Management	3
MGMT310	Principles and Theory of Management	3
MGMT410	Strategic Management	3
MGMT311	Organizational Behavior	3
MGMT314	Management Ethics	3
MGMT315	Management Communications	3
MKTG307	Consumer Behavior	3
TLMT311	Introduction to Transportation Management	3

TLMT313	Supply Chain Management	3
Total Semester Hours		39

Students must choose a concentration for this degree program and may select from a Concentration in Business Analytics, a Concentration in Digital Retailing, Concentration in Marketing, or Concentration Reverse Logistics Management.

## Concentration in Business Analytics (9 semester hours)

This concentration provides an introduction to big data analytics for retail management professionals. Students will analyze, evaluate, and organize data to facilitate problem solving and decision making in areas such as customer relations, merchandising, and many other areas of retailing where data is collected and utilized.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Research and appraise historic, current, and developing methodologies in business and big data analytics and apply them appropriately to manage the operations of a wide variety of retail businesses fields.
- Demonstrate knowledge of the data analytics framework adopted by and for retail management (including merchandizing, customer service, etc.) professionals and/or organizations, and analysis principals.
- Analyze, evaluate, and organize retail management data, to facilitate problem solving, and decision making in all areas of retail management where data is collected and utilized.

### Concentration Requirements (9 semester hours)

Code	Title	Semester Hours
BUSN250	Analytics I	3
BUSN350	Analytics II	3
BUSN450	Advanced Analytics	3
Total Semester Hours		9

## Concentration in Digital Retailing (9 semester hours)

This concentration introduces the world of digital retailing for retail management professionals. Digital retailing encompasses multiple facets of technology from smart stores with product experts, instant data access, to expanded use of artificial intelligence, virtual and augmented reality, expanded mobile/cashier-less capabilities, consumer protection, and seamless customer experiences with e-commerce, m-commerce, and brick and mortar locations. In addition, students have the opportunity to study digital marketing and cybersecurity.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Explore the evolution of retail markets from pre-industrial to modern day digital retailing.
- Differentiate the various forms of online and digital retailing.
- Evaluate risks inherent to digital retailing including cybersecurity, fraud, and safety protection.

**Concentration Requirements (9 semester hours)**

Code	Title	Semester Hours
RTMG310	Digital Retail	3
Select 2 courses from the following:		6
BUSN320	Principles of E Business	
ISSC452	Cybersecurity	
MKTG310	Digital Marketing	
RTMG311	Digital Retail Technologies	
RTMG312	Digital Retail Analytics	
RTMG313	Digital Retail Strategies	
RTMG314	Digital Merchandising	
RTMG315	Retail Cybersecurity	
Total Semester Hours		9

**Concentration in Marketing (9 semester hours)**

This concentration integrates marketing functions with principles of management, finance, strategic planning, and information systems. Topics include marketing plan development; marketplace analysis; psychology and sociology concepts of consumer behavior; and research techniques.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Integrate the marketing function with fundamental business enterprise concepts and principles of management, finance, strategic planning, and information systems.
- Develop a strategic marketing plan.
- Apply concepts in psychology and sociology relevant to consumer behavior.
- Analyze business markets, customer markets, and buyer markets using concepts and techniques of research for marketing decisions including problem definition, research objectives, execution and research management, and presentation of findings.

**Concentration Requirements (9 semester hours)**

Code	Title	Semester Hours
Select 3 courses from the following:		9
BUSN320	Principles of E Business	
MKTG308	Social Media Marketing	
MKTG400	Marketing Research	
MKTG401	Marketing Strategy	
Total Semester Hours		9

**Concentration in Reverse Logistics Management (9 semester hours)**

This concentration provides students with practical skills and theoretical knowledge needed to effectively apply reverse logistics management to a retail environment. The concentration will assist the student in understanding and applying retail strategy, innovation and operations to reverse logistics.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Determine the needs of today's retail operations and how to effectively apply reverse logistics.
- Evaluate and apply retail management strategies to better deploy reverse logistics in the retail environment.
- Demonstrate the importance of reverse logistics in a retail operation to reduce waste, encourage reuse for smoother and more efficient retail operations.

## Concentration Requirements (9 semester hours)

Code	Title	Semester Hours
RLMT301	Introduction to Reverse Logistics Management	3
Select 2 courses from the following:		6
RLMT302	Environmental Issues in Reverse Logistics	
RLMT303	Technology in Reverse Logistics	
RLMT304	Reverse Logistics Policies and Procedures	
TLMT405	Best Practices in Reverse Logistics	
Total Semester Hours		9

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
BUSN499	Senior Seminar in Business Administration (To be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major program requirements prior to enrollment.

## Elective Requirements (39 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		39
Total Semester Hours		39

# Bachelor of Arts in Reverse Logistics Management

Our Bachelor of Arts in Reverse Logistics Management is designed to educate a new generation of professionals in reverse logistics management, retail management, and engineering management in complex military or business environments. In today's competitive business climate, organizations are always under pressure to adapt to new procedural and technological trends to improve the visibility of product and cargo flows through an ever-widening and complex supply chain. This online degree program provides you with knowledge of current applications of reverse logistics and opportunities to study practical applications in domestic and international transportation and logistics scenarios.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Classify and explain the issues and problems of implementing a reverse logistics system in a manufacturing, retail or military operation.
- Explain best practices of a reverse logistics operation.
- Classify and explain the differences between forward and reverse logistics.
- Explain how reverse logistics can be used to track and trace goods as returns, recalls, recycling and as waste.
- Explain how to differentiate the financial impact of reverse logistics from financial components within a business environment.
- Develop an implementation plan to use reverse technology processes and technology within a manufacturing, retail or military organization.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	30
	Select one of the following concentrations:	12
	General (p. 346)	
	Entrepreneurship (p. 346)	
	Retail Management (p. 347)	
	Supply Chain Management (p. 347)	
	Transportation and Logistics Management (p. 348)	
	Final Program Requirements	3
	Elective Requirements	45
	Total Semester Hours	120

# Degree Program Requirements

## General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
ECON101	Microeconomics	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	

CHFD220	Human Sexuality
COLL112	Planning Your Future with Purpose in Business
COMM211	Social Media and Society
COMM240	Intercultural Communication
EDUC200	Humane Education: A Global Interdisciplinary Perspective
ECON201	Microeconomics for Business
ECON202	Macroeconomics for Business
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3

Select 1 course from the following: 3

COMM200	Public Speaking
ENGL101	Proficiency in Writing
ENGL115	Argumentation and Rhetoric
ENGL210	Introduction to Literature
ENGL220	Technical Writing
ENGL221	Scientific Writing
ENGL226	Effective Business Communication
HRMT101	Human Relations Communication
IRLS200	Information Literacy and Global Citizenship
ITCC231	Introduction to Information Technology Writing
MGMT100	Human Relations

**History (3 semester hours)**

Select 1 course from the following: 3

HIST101	American History to 1877
HIST102	American History since 1877
HIST111	World Civilization before 1650
HIST112	World Civilization since 1650
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877



HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (30 semester hours)

Code	Title	Semester Hours
COLL300	Research, Analysis, and Writing	3
ECON102	Macroeconomics	3
RLMT301	Introduction to Reverse Logistics Management	3
RLMT302	Environmental Issues in Reverse Logistics	3
RLMT303	Technology in Reverse Logistics	3
RLMT304	Reverse Logistics Policies and Procedures	3
RLMT305	Cost and Benefit Analysis of Reverse Logistics	3
RLMT306	Green Logistics Programs and Issues	3
TLMT312	Transportation Economics	3
TLMT405	Best Practices in Reverse Logistics	3
Total Semester Hours		30

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Entrepreneurship, Concentration in Retail Management, Concentration in Supply Chain Management, or Concentration in Transportation and Logistics Management.

## General Concentration (12 semester hours)

This general concentration allows you to select from other concentration courses offered in this program. Selecting the general concentrations enables you to create your own focused area of study.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
MGMT312	Leadership & Motivation	
RLMT307	Food and Beverage Reverse Logistics	
RLMT309	Reverse Logistics Management and Operations	
RLMT400	Recalls Best Practices and Issues	
TLMT318	Hazardous Materials Transportation	
Total Semester Hours		12

## Concentration in Entrepreneurship (12 semester hours)

Provides entrepreneurial techniques and concepts that you can apply to startup businesses or to create new reverse logistics systems in an existing organization. You will strengthen your customer service skills as you learn how to put the customer first and to deliver superior service to both internal and external customers.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Establish entrepreneurial factors affecting product and services in the reverse logistic environment
- Apply customer service skills to entrepreneurial projects, programs or organizations
- Analyze entrepreneurial ventures understand sources of funding and other legal requirements

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
ENTR150	Idea Generation	3
ENTR216	Service Innovation and Delivery	3
Select 2 courses from the following:		6
ENTR311	Business Plan Foundations	
ENTR315	Financing a New Venture	
ENTR320	Practical Law for the Entrepreneur	
Total Semester Hours		12

## Concentration in Retail Management (12 semester hours)

This concentration provides students with practical skills and theoretical knowledge needed to effectively apply reverse logistics management to a retail environment. The concentration will assist the student in understanding and applying retail strategy, innovation and operations to reverse logistics.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Determine the needs of today's retail operations and how to effectively apply reverse logistics.
- Evaluate and apply retail management strategies to better deploy reverse logistics in the retail environment.
- Demonstrate the importance of reverse logistics in a retail operation to reduce waste, encourage reuse for smoother and more efficient retail operations

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN320	Principles of E Business	3
RTMG301	Retail Innovation	3
RTMG302	Retail Operations	3
RTMG310	Digital Retail	3
Total Semester Hours		12

## Concentration in Supply Chain Management (12 semester hours)

This concentration provides students with practical skills and theoretical knowledge needed to effectively apply reverse logistics management as part of supply chain management. This concentration will assist the student in understanding and applying the principles of supply chain management, risk management in a supply chain, and global supply chain management to reverse logistics.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Determine the needs of supply chain operations and how to effectively apply reverse logistics.
- Evaluate and apply supply chain management strategies to better deploy reverse logistics in an organization.
- Demonstrate the importance of reverse logistics and supply chain risk management

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
SCMG201	Principles of Supply Chain Management	3
TLMT313	Supply Chain Management	3
SCMG305	Global Demand Management	3
SCMG301	Supply Chain Risk Management	3
Total Semester Hours		12

## Concentration in Transportation and Logistics Management (12 semester hours)

Delves into the different historical, procedural, and technological trends in transportation and logistics as well as reverse logistics. You will gain an understanding of the interface between forward and reverse logistics, as well as the entire supply chain for different organizations.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply systems analysis to transportation, logistics and supply chain management.
- Understand the transportation systems' political, regulatory and legal issues
- Assess the strengths and weaknesses of major transportation and logistics systems

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
TLMT311	Introduction to Transportation Management	
TLMT313	Supply Chain Management	
TLMT318	Hazardous Materials Transportation	
TLMT341	Logistics Management	
TLMT441	Advanced Business Logistics	
Total Semester Hours		12

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
RLMT495	Senior Seminar in Reverse Logistics Management (To be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

### Elective Requirements (45 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		45
Total Semester Hours		45

# Bachelor of Arts in Security Management

The Bachelor of Arts in Security Management offers students the opportunity to learn the principles and theories associated with various types of security, from international security to information security focused on protection of assets. You will study global terrorism, legal and ethical issues, physical security, program evaluation, and security administration. Graduates of this online bachelor's degree are inclined toward professions that involve general public or private management, federal or local government civil service, military service, law enforcement, and private security.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Identify organizational security risk exposure; identify cost-effective mitigation strategies; and prepare for recovery strategies.
- Employ risk analysis and vulnerability assessment processes.
- Critically examine the variety and extent of losses from criminal acts, natural disasters, and security breaches facing society.
- Analyze concepts of information security, personnel security, and physical security and determine the planning approaches to prevent business losses.
- Analyze the trends affecting security and loss prevention and determine the approaches to reduce losses facing businesses and institutions.
- Evaluate, from a multi-disciplinary approach, non-traditional approaches to crime prevention.
- Distinguish between traditional criminal justice roles, functions, and concepts as a reactive institution to the security roles as a preventive societal institution.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	27
	Select one of the following concentrations:	15
	General Concentration (p. 352)	
	Government Security (p. 353)	
	Information Security (p. 353)	
	Loss Prevention Management (p. 354)	
	Final Program Requirements	3
	Elective Requirements	45
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
	<b>Arts and Humanities (6 semester hours)<sup>1</sup></b>	
	Select 2 courses from the following:	6
ARAB100	Arabic I	
ARAB101	Arabic II	

ARTH200	Art Appreciation
ARTH240	Survey of Photography
ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL115	Planning Your Future with Purpose in Security & Global Studies
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature

POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	

MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (27 semester hours)

Code	Title	Semester Hours
SCMT101	Introduction to Security Management	3
SSGS300	Research Design and Methods	3
SCMT319	Global Terrorism	3
SCMT370	Principles and Theory of Security Issues	3
SCMT371	Legal and Ethical Issues in Security Management	3
SCMT373	Evaluation of Security Programs	3
SCMT374	Contemporary Issues in Security Management	3
SCMT390	Security Administration	3
SCMT397	Physical Security	3
Total Semester Hours		27

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Government Security, Concentration in Information Security, or Concentration in Loss Prevention Management.

## General Concentration Requirements (15 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
Select 5 courses from the following:		15
HLSS311	Border and Coastal Security	
HLSS312	Port Security	
ISSC422	Information Security	
SCMT379	School and Campus Security	



SCMT392	Industrial Espionage	
SCMT396	Protective Services	
Total Semester Hours		15

## Concentration in Government Security (15 semester hours)

Offers an overview of many of the primary laws and policies that drive the U.S. government's security apparatus, such as the U.S. Constitution, executive orders, and the National Industrial Security Program Operating Manual. Evaluates industrial and economic espionage threats and techniques in all forms and modes of attack, as well as information assurance techniques in U.S. government security applications.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Interpret the fundamental government requirements for establishing and maintaining full spectrum security programs.
- Categorize government, industry and military infrastructure within the scope of the concept of Critical Infrastructure Protection.
- Evaluate and counter industrial and economic espionage threats and techniques in all forms and modes of attack.
- Analyze Personnel Security as a key component in the protection of National Security Information, to include background investigations, continuing evaluation, and security awareness.
- Appraise the criteria for properly constructing U.S. government-sponsored facilities and securing such facilities appropriately.
- Utilize Information Assurance techniques and technologies in U.S. government security applications.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ISSC361	Information Assurance	3
SCMT301	Foundations of U.S. Government Security	3
SCMT302	Protecting U.S. Government Facilities	3
SCMT303	U. S. Government Personnel Security	3
SCMT392	Industrial Espionage	3
Total Semester Hours		15

## Concentration in Information Security (15 semester hours)

Covers techniques and technologies used to design, develop, and deploy effective information security solutions against attacks; security planning and policy principles that focus on a variety of security guidelines, policies, and plans; and industrial espionage threats and techniques that use information technology modes of attack.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Use analytical, logical, and critical thinking abilities to analyze organizational information security requirements.
- Apply techniques and technologies to design, develop, and deploy effective information security solutions to defend against attacks.
- Develop computer and network security solutions and apply audit practices and processes to secure organizational assets and prevent losses.
- Appraise security planning and policy principles that focus on a variety of security guidelines, policies and plans.
- Evaluate and counter industrial espionage threats and techniques that use information technology modes of attack.

- Relate law enforcement intelligence applications and templates to support investigations, security and counterintelligence, trend development and forecasting, and efficient use of open source information.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
Select 5 courses from the following:		15
CMRJ320	Law Enforcement Intelligence Applications	
ISSC262	Red and Blue Team Security	
ISSC421	Computer and Network Security	
ISSC422	Information Security	
ISSC471	IT Security: Auditing	
ISSC481	IT Security: Planning and Policy	
ITMG281	Law, Privacy, and Digital Data	
SCMT392	Industrial Espionage	
Total Semester Hours		15

### Concentration in Loss Prevention Management (15 semester hours)

Examines risk situations, management concepts and techniques, and the impact of safety and compliance policies from a company perspective. Topics include: various strategies and safety aspects of risk management; supply chain management's role in retail operations; risks associated with the global distribution chain and mitigation; and the types of loss experienced by retailers.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify the types of loss retailers' experience.
- Compare and contrast various Risk Management strategies.
- Explain compliance and safety aspects of Risk Management.
- Describe the strategic and operational role of human resource management.
- Examine the role of Supply Chain Management in retail operations.
- Analyze the risks associated with the global distribution chain and mitigation.
- Prepare for LPQ Certification.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
RTMG202	Risk Management	3
SCMG301	Supply Chain Risk Management	3
RTMG302	Retail Operations	3
HRMT407	Human Resource Management	3
TLMT313	Supply Chain Management	3
Total Semester Hours		15

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
SCMT498	Senior Seminar in Security Management (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of major courses prior to enrollment.

## Elective Requirements (45 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		45
Total Semester Hours		45

# Bachelor of Arts in Sociology

The Bachelor of Arts in Sociology applies the unique approach of sociology to study all forms of human behavior from the individual and small group interactions of everyday life to larger institutions that shape our global experiences as humans. Sociology aids in developing a sociological imagination, the ability to examine the lived experiences of oneself and others. From different theoretical perspectives, sociology delves into issues such as healthcare; politics; religion; race and ethnicity; sex and gender; and the impact of social conflict, inequity, and injustice on society.

Students will develop key skills in collaboration, information literacy, critical thinking, writing, and social science research methods and analysis. Students will also identify ways to engage in social movements that promote social justice in their career fields and daily lives. Sociological knowledge and skills are especially well suited as preparation for diverse fields including civil service, research, education, healthcare, social service, business, management, social media, or law.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Differentiate major paradigms, classic and contemporary theories that inform the study of sociology.
- Apply a sociological imagination to everyday social behavior as well as current social issues and crises
- Identify how social stratification influences social inequality and social injustice.
- Discuss how the individual self-concept is directly influenced by social processes and social structures.
- Describe the functions and influence of social institutions on societies.
- Evaluate appropriate ethical considerations, methodological approaches and analysis techniques for sociological research.
- Assess the impact of social change and technology on social life and social relationships.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	30
	Select one of the following concentrations:	15
	Community Action (p. 359)	
	Digital Society (p. 360)	
	Education (p. 361)	
	Health (p. 361)	
	Public Policy (p. 362)	
	Social Justice (p. 362)	
	Final Program Requirements	3
	Elective Requirements	42
	Total Semester Hours	120

# Degree Program Requirements

## General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours)</b>		
Select two courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	

COLL111	Planning Your Future with Purpose in Humanities & Education
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3

Select 1 course from the following: 3

COMM200	Public Speaking
ENGL101	Proficiency in Writing
ENGL115	Argumentation and Rhetoric
ENGL210	Introduction to Literature
ENGL220	Technical Writing
ENGL221	Scientific Writing
ENGL226	Effective Business Communication
HRMT101	Human Relations Communication
IRLS200	Information Literacy and Global Citizenship
ITCC231	Introduction to Information Technology Writing
MGMT100	Human Relations

**History (3 semester hours)**

Select 1 course from the following: 3

HIST101	American History to 1877
HIST102	American History since 1877
HIST111	World Civilization before 1650
HIST112	World Civilization since 1650
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877
HIST222	African-American History since 1877

HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select one course from the following:		3
MATH110	College Algebra	
MATH125	Math for Liberal Arts Majors	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (30 semester hours)

Complete at least 2 courses in the Major section before taking SOCI331 or SOCI332.

Code	Title	Semester Hours
MATH120	Introduction to Statistics	3
SOCI111	Introduction to Sociology	3
SOCI212	Social Problems	3
SOCI213	Society, Interaction, and the Individual	3
SOCI214	Stratification and Inequality	3
SOCI215	Social Deviance	3
SOCI303	Classical Sociological Theory	3
SOCI305	Contemporary Sociological Theory	3
SOCI331	Research Methods for Sociology	3
SOCI332	Statistics for Social Science	3
Total Semester Hours		30

Students must choose a concentration for this degree program and may select from a Concentration in Community Action, Concentration in Digital Society, Concentration in Education, Concentration in Health, Concentration in Public Policy, or a Concentration in Social Justice.

## Concentration in Community Action (15 semester hours)

This interdisciplinary concentration will help prepare sociology students for professional responsibilities that relate to community organization and action. Students will explore organizations, agents of social change, religious organizations, and the role of the family in communities.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply the sociological imagination to understanding different types of communities and the motivation of communities to engage in action.
- Analyze communities using organizational sociology theories.
- Identify career paths for sociologists with expertise in community organization and action.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
SOCI312	Organizational Sociology	3
SOCI403	Social Change	3
SOCI420	Sociology of Religion	3
SOCI421	Sociology of the Family	3
CHFD446	Families and Social Action	3
Total Semester Hours		15

### Concentration in Digital Society (15 semester hours)

This interdisciplinary concentration will prepare sociology students for professional responsibilities that involve digital communication and media, social media management, and social media analysis. Students will examine how sociological theory applies to digital society, explore online social communities to examine the effectiveness of design and interaction, and identify ways to collect and analyze online social data.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply sociological theory to our digital society.
- Examine data provided in online digital communities.
- Identify career paths for sociologists with expertise in digital communication and social media.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
SOCI340	Digital Society	3
SOCI341	Social Analysis of Digital Communities	3
COMM255	Digital Tools and Media in Communication	3
ITMG281	Law, Privacy, and Digital Data	3
ITMG371	Contemporary Internet Topics	3
Total Semester Hours		15



## Concentration in Education (15 semester hours)

This interdisciplinary concentration will help prepare sociology students for education related fields. Students will explore organizations, social movements and social change, learning theory, and strategies for measuring and evaluating education programs and institutions.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Compare and contrast education practices and systems using a sociological perspective.
- Evaluate the historical and current relationships between education, inequality, and socioeconomics.
- Identify career paths for sociologists in education related fields.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
SOCI312	Organizational Sociology	3
SOCI403	Social Change	3
EDUC340	Adult Learning Theory	3
CHFD350	Family Life Education	3
EDUC402	Measurement and Evaluation	3
Total Semester Hours		15

## Concentration in Health (15 semester hours)

This interdisciplinary concentration will help to prepare sociology students for health related fields. Students will explore sociological factors that play a role in health and illness, the history of healthcare institutions, the process of aging and death. Students will examine public health issues in both national and international contexts using a sociological lens.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the historical and current relationships between health, inequality, and socioeconomics using sociological theories.
- Apply a sociological perspective to evaluating different healthcare systems.
- Identify career paths for medical sociologists in public health and other healthcare related fields.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
SOCI307	Sociology of Aging	3
SOCI423	Sociology of Health and Illness	3
SOCI424	Sociology of Death and Dying	3
PBHE209	Wellness: Health Promotion and Disease Prevention	3

PBHE211	Public Health in America	3
Total Semester Hours		15

## Concentration in Public Policy (15 semester hours)

This interdisciplinary concentration will help to prepare sociology students for fields related to understanding the sociological and bureaucratic factors that relate to public policy in local, national, and international settings. Students will apply sociological theory to understand organizations, political institutions, law, and social change.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze social problems and the public policies and programs designed to solve them.
- Apply a sociological perspective to historical and current issues in public policy such as voting rights, incarceration, and workplace rights.
- Identify career paths for sociologists in public service, administration, and other organizations.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
SOCI311	Political Sociology	3
SOCI312	Organizational Sociology	3
SOCI422	Sociology of the Law	3
SOCI403	Social Change	3
POLS410	Public Policy	3
Total Semester Hours		15

## Concentration in Social Justice (15 semester hours)

This interdisciplinary concentration will help to prepare sociology students for professional responsibilities in promoting and supporting social justice issues in local, national, and international settings. Students will examine social justice issues related to race and ethnicity as well as gender and sex. Courses will also examine social movements and social change as well as leadership and organizational culture.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine causes and consequences of poverty at local, national, and international levels.
- Evaluate availability and effectiveness of social welfare programs and explore new strategies for increasing social justice.
- Identify career paths for sociologists in organizations addressing social justice and social welfare issues.

**Concentration Requirements (15 semester hours)**

Code	Title	Semester Hours
SOCI306	Race and Ethnicity	3
SOCI312	Organizational Sociology	3
MGMT312	Leadership & Motivation	3
SOCI403	Social Change	3
SOCI404	Gender and Society	3
Total Semester Hours		15

**Final Program Requirements (3 semester hours)**

Code	Title	Semester Hours
SOCI498	Senior Seminar in Sociology (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: SOCI111 and completion of all major and elective courses prior to enrollment.

**Elective Requirements (42 semester hours)**

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		42
Total Semester Hours		42

# Bachelor of Arts in Supply Chain Management

The Bachelor of Arts in Supply Chain Management focuses on the management of supply chain processes, activities, and costs related to serving customers. This degree includes an emphasis on capacity planning, demand management, order management, warehouse management, reverse logistics, and transportation and acquisitions management. Students will take coursework specifically highlighting problem-solving, critical thinking and development of accurate management performance measures related to the supply chain. This versatile degree helps to provide knowledge and skills in a variety of industries. Businesses, regardless of size, rely on the supply chain to get products to their customers.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Classify supply chain solutions using problem-solving and decision-making skills.
- Demonstrate an overall knowledge of supply chain management areas of capacity planning, demand management, order management, warehouse management, and transportation.
- Apply supply chain management principles to business situations.
- Identify supply chain management best practices.
- Explain how to improve the operational efficiencies of a supply chain.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	30
	Select one of the following concentrations:	15
	General Concentration (p. 367)	
	Government Contracting and Acquisitions (p. 368)	
	Reverse Logistics Management (p. 369)	
	Transportation and Logistics Management (p. 369)	
	Final Program Requirements	3
	Elective Requirements	42
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
	Arts and Humanities (6 semester hours) <sup>1</sup>	
	Select 2 courses from the following:	6

ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
ECON101	Microeconomics	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL112	Planning Your Future with Purpose in Business	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	

HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3

Select 1 course from the following: 3

COMM200	Public Speaking
ENGL101	Proficiency in Writing
ENGL115	Argumentation and Rhetoric
ENGL210	Introduction to Literature
ENGL220	Technical Writing
ENGL221	Scientific Writing
ENGL226	Effective Business Communication
HRMT101	Human Relations Communication
IRLS200	Information Literacy and Global Citizenship
ITCC231	Introduction to Information Technology Writing
MGMT100	Human Relations

**History (3 semester hours)**

Select 1 course from the following: 3

HIST101	American History to 1877
HIST102	American History since 1877
HIST111	World Civilization before 1650
HIST112	World Civilization since 1650
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877
HIST222	African-American History since 1877
HIST223	History of the American Indian
HIST270	History of Science
STEM185	The History and Context of STEM

**Mathematics and Applied Reasoning (3 semester hours)**

Select 1 course from the following: 3

ACCT100	Accounting I
ACCT105	Accounting for Non Accounting Majors

ENTD200	Fundamentals of Programming
MATH110	College Algebra
MATH111	College Trigonometry
MATH112	Pre-Calculus
MATH120	Introduction to Statistics
MATH125	Math for Liberal Arts Majors
MATH225	Calculus

**Natural Sciences (3 semester hours)**

Select 1 course from the following:

3

BIOL180	Introduction to Biology
BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines

Total Semester Hours

30

<sup>1</sup> All literature courses require successful completion of ENGL101 (<https://catalog.apus.edu/search/?P=ENGL101>) - Proficiency in Writing or ENGL110 (<https://catalog.apus.edu/search/?P=ENGL110>) - Making Writing Relevant.

**Major Required (30 semester hours)**

Code	Title	Semester Hours
ECON102	Macroeconomics	3
DEFM200	Fundamentals of Contracting and Acquisition	3
SCMG201	Principles of Supply Chain Management	3
TLMT200	Retail Shipping and Receiving	3
COLL300	Research, Analysis, and Writing	3
SCMG301	Supply Chain Risk Management	3
SCMG305	Global Demand Management	3
TLMT311	Introduction to Transportation Management	3
TLMT313	Supply Chain Management	3
RLMT301	Introduction to Reverse Logistics Management	3
Total Semester Hours		30

Students must choose a concentration for this degree program and may select from the General Concentration, Concentration in Government Contracting and Acquisitions, Concentration in Reverse Logistics Management, or the Concentration in Transportation and Logistics Management.

**General Concentration (15 semester hours)**

This general concentration allows you to select from different concentration courses offered within this program, enabling you to create your own focused area of study.

Code	Title	Semester Hours
DEFM310	Program and Acquisition Management I	3
Select 2 courses from the following:		6
TLMT331	Fundamentals of Intermodal Transportation	
TLMT341	Logistics Management	
TLMT351	Packaging	
TLMT352	Distribution Systems	
TLMT441	Advanced Business Logistics	
Select 2 courses from the following:		6
RLMT302	Environmental Issues in Reverse Logistics	
RLMT305	Cost and Benefit Analysis of Reverse Logistics	
RLMT307	Food and Beverage Reverse Logistics	
RLMT309	Reverse Logistics Management and Operations	
RLMT400	Recalls Best Practices and Issues	
Total Semester Hours		15

## Concentration in Government Contracting and Acquisitions (15 semester hours)

The Concentration in Government Contracting and Acquisitions is designed to educate students regarding how government contracts and acquisition work. Students will have an opportunity to understand how government contracts are being used in their military or government-related civilian organizations. This concentration will educate the student to the Federal Acquisition Regulation (FAR) regulations and how they apply to government contracts. The student will learn about and apply the concepts of costs, overhead components, and assets as they apply to government contracts and acquisitions.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply different techniques and methods to analyze different contractors' proposals and contracts.
- Comprehend the basics of government contracting as well as the political, regulatory and legal issues.
- Synthesize overhead and other contractual factors and costs.
- Apply the Federal Acquisition Regulations as they pertain to government contracts.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
DEFM310	Program and Acquisition Management I	3
DEFM311	Program and Acquisition Management II	3
DEFM420	Cost Analysis and Negotiation Techniques	3
DEFM421	Joint Contingency Contracting	3
DEFM424	Overhead Management of Defense Contracts	3
Total Semester Hours		15



## Concentration in Reverse Logistics Management (15 semester hours)

The concentration in Reverse Logistics Management is designed to educate a new generation of professionals in reverse logistics as a key component in logistics management, retail management, engineering management, and in accounting best practices, to all components of today's complex business environment. Students will have an opportunity to understand how reverse logistics is being used in their military or civilian logistics organization. It will provide students with the knowledge base of current applications of reverse logistics use and opportunities to study practical applications in domestic and international transportation and logistics scenarios. In today's competitive global transportation and logistics business climate, organizations are always under pressure to adapt to new procedural and technological trends to improve the visibility of product and cargo flows through an ever-widening and complex supply chain. Retail and military logistics decision makers are still uncertain in many cases on how to apply the use of reverse logistics to their business model. Some see reverse logistics as part of the supply chain; others see reverse logistics as marketing or sales.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Classify and explain the issues and problems of implementing a reverse logistics system in a manufacturing, retail or military operation.
- Explain best practices of a reverse logistics operation.
- Classify and explain the differences between forward and reverse logistics.
- Explain how reverse logistics can be used to track and trace goods as returns, recalls, recycling and as waste.
- Explain how to differentiate the financial impact of reverse logistics from financial components within a business environment.
- Develop an implementation plan to use reverse technology processes and technology within a manufacturing, retail or military organization.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
RLMT302	Environmental Issues in Reverse Logistics	3
RLMT305	Cost and Benefit Analysis of Reverse Logistics	3
RLMT307	Food and Beverage Reverse Logistics	3
RLMT309	Reverse Logistics Management and Operations	3
RLMT400	Recalls Best Practices and Issues	3
Total Semester Hours		15

## Concentration in Transportation and Logistics Management (15 semester hours)

The concentration in Transportation and Logistics Management delves into the different historical, procedural, and technological trends in transportation and logistics as well as reverse logistics. You will gain an understanding of the interface between forward and reverse logistics, as well as the entire supply chain for different organizations.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply systems analysis to transportation, logistics and supply chain management.
- Understand the transportation systems' political, regulatory and legal issues.
- Assess the strengths and weaknesses of major transportation and logistics systems.

**Concentration Requirements (15 semester hours)**

Code	Title	Semester Hours
TLMT331	Fundamentals of Intermodal Transportation	3
TLMT341	Logistics Management	3
TLMT351	Packaging	3
TLMT352	Distribution Systems	3
TLMT441	Advanced Business Logistics	3
Total Semester Hours		15

**Final Program Requirements (3 semester hours)**

Code	Title	Semester Hours
TLMT498	Senior Seminar in Transportation and Logistics (To be taken as the last course before graduation) <sup>1</sup>	3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

**Elective Requirements (42 semester hours)**

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		42
Total Semester Hours		42

# Bachelor of Arts in Transportation and Logistics Management

The Bachelor of Arts in Transportation and Logistics Management focuses on the principles, policies, trends, and current issues within air, maritime, or ground transportation. Transportation and logistics management is at the core of global supply chain management, encompassing manufacturing, distribution, retailing, recreation, and national security industries. This versatile degree helps to prepare you for possible job opportunities in many industries including the military, government, and large corporations whose success depends on the global fulfillment of customers' requirements.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply systems analysis to transportation, logistics, and supply chain management.
- Relate the multidimensional impact of transportation on the economy, public systems, national and local infrastructure, and the environment.
- Examine the transportation systems' political, regulatory, and legal issues.
- Describe and assess the strengths and weaknesses of the major modes of international transportation.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	30
	Select one of the following concentrations:	15
	General Concentration (p. 374)	
	Air Cargo (p. 375)	
	Reverse Logistics Management (p. 376)	
	Final Program Requirements	3
	Elective Requirements	42
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours)<sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	

ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
ECON101	Microeconomics	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
CHFD220	Human Sexuality	
COLL112	Planning Your Future with Purpose in Business	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	

RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	

**Natural Sciences (3 semester hours)**

Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

**Major Required (30 semester hours)**

Code	Title	Semester Hours
ECON102	Macroeconomics	3
COLL300	Research, Analysis, and Writing	3
TLMT311	Introduction to Transportation Management	3
TLMT312	Transportation Economics	3
TLMT313	Supply Chain Management	3
TLMT331	Fundamentals of Intermodal Transportation	3
TLMT341	Logistics Management	3
TLMT351	Packaging	3
TLMT352	Distribution Systems	3
TLMT441	Advanced Business Logistics	3
Total Semester Hours		30

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Air Cargo, or Concentration in Reverse Logistics Management.

**General Concentration (15 semester hours)**

This general concentration allows you to select from other concentration courses offered in this program, plus additional topics. Selecting the general concentrations enables you to create your own focused area of study.

Code	Title	Semester Hours
Select 5 courses from the following:		15
BUSN310	Business Theory	
BUSN419	International Business Management	
EDMG420	Risk Communications	
FINC400	Principles of Financial Management	
FINC405	Budget Development and Execution	

HLSS311	Border and Coastal Security	
HLSS312	Port Security	
INFO331	Management Information Systems	
POLS410	Public Policy	
TLMT318	Hazardous Materials Transportation	
TLMT342	International Logistics Management	
TLMT353	Logistics Management and Operations	
TLMT381	Hazardous Materials Management	
TLMT405	Best Practices in Reverse Logistics	
TLMT411	Air Transportation	
TLMT415	Airport Operations	
TLMT416	Air Cargo Operations and Security	
TLMT442	International Trade and Regulations	
Total Semester Hours		15

## Concentration in Air Cargo (15 semester hours)

This concentration is designed to educate a new generation of airport and air operations professionals in air freight forwarding services as a key component in global logistics management, retail management, transportation management, and in accounting best practices to all components of today's complex cargo movement business environment. Students will have an opportunity to understand how air cargo rules of operation are being used in their military or civilian air logistics organization. It will provide students with the knowledge base of current applications and opportunities to study practical applications in domestic and international air transportation and air logistics scenarios.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Classify and explain the issues and challenges of implementing an air freight forwarding management system.
- Explain best practices of air cargo operations.
- Analyze the relationships and interaction among private and public sector stakeholders who secure airport operations from a variety of potential disruptions.
- Understand the role of the airport manager in the management, administration, financing and operating within small, medium, and large hub airports.
- Acquire an in-depth analysis of the complex balance of airport management and air cargo handling companies.
- Understand physical facility planning for cargo management, the economics of airport operation and the organizational structure of related companies who support the movement of air cargo through airports.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
TLMT415	Airport Operations	3
TLMT416	Air Cargo Operations and Security	3
Select 3 courses from the following:		9
FINC400	Principles of Financial Management	
HLSS311	Border and Coastal Security	
MGMT312	Leadership & Motivation	
MGMT331	Leading Yourself Foundations	

TLMT342	International Logistics Management	
TLMT411	Air Transportation	
Total Semester Hours		15

## Concentration in Reverse Logistics Management (15 semester hours)

This concentration is designed to educate a new generation of professionals in reverse logistics as a key component in logistics management, retail management, engineering management, and in accounting best practices, to all components of today's complex business environment. Students will have an opportunity to understand how reverse logistics is being used in their military or civilian logistics organization. It will provide students with the knowledge base of current applications of reverse logistics use and opportunities to study practical applications in domestic and international transportation and logistics scenarios. In today's competitive global transportation and logistics business climate, organizations are always under pressure to adapt to new procedural and technological trends to improve the visibility of product and cargo flows through an ever-widening and complex supply chain. Retail and military logistics decision makers are still uncertain in many cases on how to apply the use of reverse logistics to their business model. Some see reverse logistics as part of the supply chain; others see reverse logistics as marketing or sales.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Classify and explain the issues and problems of implementing a reverse logistics system in a manufacturing, retail or military operation.
- Explain best practices of a reverse logistics operation.
- Classify and explain the differences between forward and reverse logistics.
- Explain how reverse logistics can be used to track and trace goods as returns, recalls, recycling and as waste.
- Explain how to differentiate the financial impact of reverse logistics from financial components within a business environment.
- Develop an implementation plan to use reverse technology processes and technology within a manufacturing, retail or military organization.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
Select 5 courses from the following:		15
RLMT302	Environmental Issues in Reverse Logistics	
RLMT303	Technology in Reverse Logistics	
RLMT305	Cost and Benefit Analysis of Reverse Logistics	
RLMT307	Food and Beverage Reverse Logistics	
RLMT309	Reverse Logistics Management and Operations	
RLMT400	Recalls Best Practices and Issues	
Total Semester Hours		15

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
TLMT498	Senior Seminar in Transportation and Logistics (To be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.



Elective Requirements (42 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		42
Total Semester Hours		42

# Bachelor of Business Administration

The Bachelor of Business Administration (BBA) is a professionally focused degree designed to produce graduates who possess practical knowledge and the associated critical thinking skills desired in today’s competitive business world. You’ll study a core curriculum of management, marketing, law, finance, accounting, economics, and business strategy. Additional concentration options allow you to pursue focused specializations. This comprehensive and affordable business program provides a good foundation to students interested in business, government, military, or other professions.

This program offers you the opportunity to learn from experienced instructors who have considerable managerial experience in Fortune 500 companies, and to communicate with fellow business students by participating in online community forums.

This Bachelor of Business Administration has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

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## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Explain and apply fundamental accounting and financial management operations to enhance business decision-making processes.
- Discuss economic factors associated with government, business, and consumer environments and apply theoretical techniques to analyze markets.
- Apply management, human resource, and personnel practices to organizational problem solving.
- Integrate market and marketing information into a strategic plan.
- Apply concepts of contract, tort, Uniform Commercial Code (UCC), and property law to business situations.
- Articulate the external and internal environments of a business organization and formulate appropriate strategies in the context of competitive forces and environmental factors.
- Collect information through the use of various data tools and apply critical thinking concepts to enhance business problem solving capabilities.
- Describe how information systems transform business processes within the modern corporate organization.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	30
	Select one of the following concentrations:	12
	General Concentration (p. 381)	
	Business Analysis (p. 382)	
	Business Project Management (p. 383)	
	Data Analytics (p. 384)	
	Digital Retailing (p. 384)	
	DoD Project Management (p. 385)	
	Information Technology Management (p. 385)	
	International Business Management (p. 386)	
	Leading the Digital Workplace (p. 386)	
	Marketing (p. 387)	

Operational Crisis Management (p. 388)	
Real Estate Construction and Portfolio Development (p. 389)	
Real Estate Marketing Management (p. 389)	
Final Program Requirements	3
Elective Requirements	45
Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours)<sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	

STEM270 Thinking and Acting Ethically

**Civics, Political and Social Science (6 semester hours)<sup>1</sup>**

Select 1 course from the following:

3

ECON201	Microeconomics for Business
ECON202	Macroeconomics for Business

Select 1 course from the following:

3

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL112	Planning Your Future with Purpose in Business
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL226	Effective Business Communication	3

**History (3 semester hours)**

Select 1 course from the following:

3

HIST101	American History to 1877
HIST102	American History since 1877
HIST111	World Civilization before 1650
HIST112	World Civilization since 1650
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877
HIST222	African-American History since 1877
HIST223	History of the American Indian

HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
MATH110	College Algebra	
MATH111	College Trigonometry	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (30 semester hours)

Code	Title	Semester Hours
MGMT101	Principles of Supervision	3
BUSN100	Basics of Business	3
ACCT105	Accounting for Non Accounting Majors	3
MKTG201	Fundamentals of Marketing	3
ITMG371	Contemporary Internet Topics	3
BUSN202	Leading in the Technology Age	3
BUSN311	Law and Ethics in the Business Environment	3
MATH302	Statistics	3
BUSN312	Operations Research	3
BUSN410	Critical Thinking Strategies for Business Decisions	3
Total Semester Hours		30

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Business Analysis, Concentration in Business Project Management, Concentration in Data Analytics, Concentration in Digital Retailing, Concentration in DoD Project Management, Concentration in Information Technology Management, Concentration in International Business Management, Concentration in Leading the Digital Workplace, Concentration in Marketing, Concentration in Operational Crisis Management, Concentration in Real Estate Construction and Portfolio Development, or a Concentration in Real Estate Marketing Management.

## General Concentration Requirements (12 semester hours)

This general concentration allows you to select from dozens of different concentration courses offered within this program, enabling you to create your own focused area of study.

Code	Title	Semester Hours
Select 4 courses from the following:		12
BUSN307	The Legal Environment of Business	
BUSN320	Principles of E Business	
BUSN330	Fundamentals of Business Analysis I	
BUSN331	Fundamentals of Business Analysis II	
BUSN333	Project Management for Business Analysts	
BUSN336	Strategic Policy Decision-Making	
BUSN340	Operational Crisis Management	
BUSN341	Operational Business Continuity	
BUSN342	Operational Sustainability and Crisis Management	
BUSN343	Operational Emergency Preparedness	
BUSN419	International Business Management	
BUSN451	Introduction to Business Project Management	
BUSN452	Project Schedule and Scope Management	
BUSN453	Project Integration, Quality, Resource, and Stakeholder Management	
BUSN490	Business Administration Independent Study	
ECON301	Comparative Economics	
ECON302	Environmental Economics	
ECON303	International Economics	
ECON304	Monetary Economics	
ENTR311	Business Plan Foundations	
ITMG221	IT Project Management	
ITMG421	Virtual Management	
MGMT311	Organizational Behavior	
MGMT312	Leadership & Motivation	
MGMT315	Management Communications	
MKTG307	Consumer Behavior	
MKTG400	Marketing Research	
MKTG401	Marketing Strategy	
MKTG407	International Marketing	
WEBD311	Internet Concepts	
Total Semester Hours		12

## Concentration in Business Analysis (12 semester hours)

Offers a comprehensive review of business requirements gathering, tools, techniques, and documentation suites. Offers project management techniques to define project cycles, measure and estimate efforts, and set priorities.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify business needs and problem domains.
- Analyze processes and behavior requirements for problem solutions.
- Diagram current and proposed business processes using various tools and techniques.

- Evaluate and recommend business solutions.
- Develop business processes and improvements.
- Develop functional business capabilities.
- Facilitate and manage recommended projects.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN330	Fundamentals of Business Analysis I	3
BUSN331	Fundamentals of Business Analysis II	3
BUSN333	Project Management for Business Analysts	3
BUSN336	Strategic Policy Decision-Making	3
Total Semester Hours		12

### Concentration in Business Project Management (12 semester hours)

The Bachelor of Business Administration with a concentration in Business Project Management enhances your understanding of how businesses depend on project management to move the organization toward its strategic goals. Through this concentration, you will be introduced to the theories, concepts, and practices that align with project management.

You will come to understand how projects begin during the sales cycle and continue to be assessed after the project is delivered. You will be exposed to skill sets to track and monitor projects, develop a schedule and integrate it with costs and risks, prepare presentations for leadership and stakeholders, and create status reports. Companies depend on project management to stay competitive in developing new offerings, determining the technology needed within the enterprise, updating processes and procedures, and implementing projects for customers.

The concentration is designed for business professionals and military personnel looking to transition into project management within the business environment.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the fundamentals of project management.
- Demonstrate varying problems from a risk management standpoint.
- Define the role of projects and project management.
- Create a project charter, a scope statement, a Work Breakdown Structure (WBS), Risk Management Plan, Quality Management Plan and Stakeholder Management Plan.
- Explain the need for ethical project management.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN451	Introduction to Business Project Management	3
BUSN452	Project Schedule and Scope Management	3
BUSN453	Project Integration, Quality, Resource, and Stakeholder Management	3
RTMG202	Risk Management	3
Total Semester Hours		12

## Concentration in Data Analytics (12 semester hours)

This concentration offers an introduction to the field of data analytics as it is used to handle real-world problem solving and factual decision-making that is based on solid data collection and sound analysis.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Compare and contrast data and information within organization contexts.
- Classify and organize existing sources of data using spreadsheet software tools.
- Analyze historical and current data trends and the implications on organizational decision-making.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN250	Analytics I	3
BUSN350	Analytics II	3
BUSN450	Advanced Analytics	3
BUSN336	Strategic Policy Decision-Making	3
Total Semester Hours		12

## Concentration in Digital Retailing (12 semester hours)

The Digital Retailing concentration explores multiple facets of technology including smart stores with product experts, instant data access, expanded use of artificial intelligence, virtual and augmented reality, expanded mobile/cashier-less capabilities, consumer protection, and seamless customer experiences with e-commerce, m-commerce, and brick-and-mortar locations. In addition, students have the opportunity to increase their knowledge of various retail technologies in the areas of digital retail analytics, strategies, marketing, merchandising, and cybersecurity.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Explore the evolution of retail markets from pre-industrial to modern-day digital retailing.
- Differentiate the various forms of online and digital retailing.
- Evaluate risks inherent to digital retailing including cybersecurity, fraud, and safety protection.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
RTMG310	Digital Retail	3
Select 3 courses from the following:		9
BUSN320	Principles of E Business	
MKTG310	Digital Marketing	
ISSC452	Cybersecurity	
RTMG311	Digital Retail Technologies	
RTMG312	Digital Retail Analytics	
RTMG313	Digital Retail Strategies	



RTMG314	Digital Merchandising	
RTMG315	Retail Cybersecurity	
Total Semester Hours		12

## Concentration in DoD Project Management (12 semester hours)

The Bachelor of Business Administration with a concentration in DoD Project Management enhances your understanding of the government acquisition cycles and how these cycles are tightly coupled with program management. You will learn the policies that government and military personnel must understand to see programs to fruition.

The concentration is designed for federal employees and military personnel looking to enhance their knowledge of the government's acquisition cycle by understanding the steps an acquisition must go through in order for a contract to be awarded to a civilian contractor.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the fundamentals of defense systems acquisition management.
- Evaluate the diverse, interrelated and changing nature in the different disciplines of defense systems acquisition management.
- Analyze the regulations and governing structures of defense systems acquisition management.
- Define the role of projects and project management.
- Create a project charter, a scope statement, a Work Breakdown Structure (WBS) and Responsibility Assignment Matrix (RAM).
- Explain key elements of a communication plan to keep stakeholders abreast of progress, problems, and controls.
- Describe the steps required to plan a project.
- Explain the key features of an executive program manager's role in today's workforce
- Demonstrate the necessary knowledge, skills, and abilities to be a successful executive in today's government contracting and acquisition organizations.
- Create an executive level action plan for practical and measurable government contracting and acquisition policy and procedures changes.
- Create explain the role and pitfalls of ethics in executive decision-making.

## Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
DEFM310	Program and Acquisition Management I	3
DEFM311	Program and Acquisition Management II	3
DEFM312	Defense Budget Development and Execution	3
DEFM410	Program Appraisal	3
Total Semester Hours		12

## Concentration in Information Technology Management (12 semester hours)

Focuses on enhancing organizational productivity through technology. Topics include: technical skills critical in a business environment; system development life cycle (SDLC) models; project management techniques such as PERT and Gantt charts; and Internet concepts such as protocols, web browsers, search engines, FTP, network security, and online gaming.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine Internet protocols, middleware, interfaces, security, and applications.
- Evaluate workplace productivity, legal ramifications, and policies related to Internet access.
- Outline the process and the phases pertaining to managing information systems projects.
- Appraise the technology, communications, and policy issues related to managing virtual teams.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select four courses from the following:		12
ITCC200	Application Software Integration	
ITMG221	IT Project Management	
ITMG281	Law, Privacy, and Digital Data	
ITMG421	Virtual Management	
WEBD311	Internet Concepts	
Total Semester Hours		12

### Concentration in International Business Management (12 semester hours)

Examines the challenges of managing multicultural and distributed teams in an international workforce. Reviews the tools and techniques used to mitigate financial risk in international business. Helps to develop marketing decision skills in the global context.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Compare and contrast the management strategies around the world.
- Examine the challenges of managing multicultural and distributed teams.
- Appraise the roles and responsibilities of the Human Resource Manager in the context of an international workforce.
- Analyze the interactions and trends between the world economies; also assess the tools and techniques used to mitigate financial risk in conducting international business.
- Evaluate the tools, methods, and practices of marketing in the global context.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN419	International Business Management	3
IRLS392	Globalization and the Market Economy	3
IRLS402	International Law and Regimes	3
MKTG407	International Marketing	3
Total Semester Hours		12

### Concentration in Leading the Digital Workplace (12 semester hours)

The Bachelor Business Administration concentration in Leading the Digital Workplace is designed to equip the student with practical risk and management knowledge related to the digital and remote working environments. The concentration enhances the student's skills in addressing challenging issues managers face during the digital transformation of the workplace. Typical topics include the lack of face-to-face supervision, social

disconnect, access to information, productivity, and culture. This concentration is suitable for managers in business, government, military, and other professional settings.

This concentration offers the student the opportunity to learn from accomplished professionals who have considerable experience in Fortune 500 companies, the military, government, and other industries. During the program, students will be encouraged to share experiences with other business students. This Bachelor of Business Administration concentration in Leading the Digital Workplace has been designed in consultation with industry experts.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Understand the elements of managing and leading remote organizations.
- Apply the behaviors and traits of effective managers.
- Analyze relevant issues in management such as ethics, globalization, and strategic management.
- Develop strategies to anticipate and remediate the effects of a remote workforce.
- Identify various scenarios and ethical issues that can emerge from a remote workforce.
- Demonstrate an understanding of effective communication.
- Articulate the components of a remote operating plan.
- Incorporate the resource requirements in a remote operating plan.
- Develop a stakeholder management plan

## Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
ITMG281	Law, Privacy, and Digital Data	
BUSN341	Operational Business Continuity	
BUSN340	Operational Crisis Management	
BUSN343	Operational Emergency Preparedness	
BUSN342	Operational Sustainability and Crisis Management	
MGMT312	Leadership & Motivation	
MGMT313	Organizational Change	
MGMT315	Management Communications	
HRMT407	Human Resource Management	
Total Semester Hours		12

## Concentration in Marketing (12 semester hours)

Integrates marketing functions with principles of management, finance, strategic planning, and information systems. Topics include: marketing plan development; marketplace analysis; psychology and sociology concepts of consumer behavior; and research techniques.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Integrate the marketing function with fundamental business enterprise concepts and principles of management, finance, strategic planning, and information systems.
- Develop a strategic marketing plan.

- Apply concepts in psychology and sociology relevant to consumer behavior.
- Analyze business markets, customer markets, and buyer markets using concepts and techniques of research for marketing decisions including problem definition, research objectives, execution and research management, and presentation of findings.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN320	Principles of E Business	3
MKTG307	Consumer Behavior	3
MKTG400	Marketing Research	3
MKTG401	Marketing Strategy	3
Total Semester Hours		12

### Concentration in Operational Crisis Management (12 semester hours)

The Bachelor of Business Administration concentration in Operational Crisis Management is designed to equip the student with practical risk and crisis management knowledge. The concentration enhances the student's skills in addressing difficult issues crisis managers face to protect the organization, its stakeholders, and assets from man-made and natural disasters. Typical issues focus on how to analyze risk and potential crises that affect the success of the organization. This concentration is suitable for managers in business, government, military, and other professional settings.

This concentration offers the student the opportunity to learn from accomplished professionals who have considerable experience in Fortune 500 companies, the military, government, and other industries. During the program, you will be encouraged to share your experiences with other business students. This Bachelor of Business Administration concentration in Operational Crisis Management has been designed in consultation with industry experts.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply the facts to plan for various man-made and natural disasters and emergencies.
- Develop strategies to anticipate and remediate the effects of disastrous events and workplace emergencies.
- Identify various scenarios and ethical issues that can emerge from different types of disasters.
- Identify strategies to return the organization back to normal as quickly as possible.
- Demonstrate an understanding of effective communication in an emergency.
- Articulate the components of a risk mitigation plan.
- Incorporate the resource requirements into a continuity plan.
- Describe the crisis management team members and their roles.
- Develop a stakeholder management plan.
- Define the scope of a crisis management plan.
- Create an eportfolio of assignments.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
BUSN340	Operational Crisis Management	
BUSN341	Operational Business Continuity	

BUSN342	Operational Sustainability and Crisis Management	
BUSN343	Operational Emergency Preparedness	
HLSS302	Introduction to Homeland Security and Defense	
ISSC422	Information Security	
Total Semester Hours		12

## Concentration in Real Estate Construction and Portfolio Development (12 semester hours)

This concentration provides the student with an introduction to construction management, along with real estate management, commercial and residential real estate portfolio development.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Research and appraise historic, current, and developing methodologies in construction management and real estate portfolio development in a wide variety of real estate business fields.
- Evaluate construction management strategies and techniques.
- Compare and contrast commercial and residential real estate portfolio development.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN201	Introduction to Construction Management	3
BUSN301	Residential Real Estate Portfolio Development	3
BUSN302	Commercial Real Estate Portfolio Development	3
BUSN425	Real Estate Management	3
Total Semester Hours		12

## Concentration in Real Estate Marketing Management (12 semester hours)

This concentration consists of four courses. The concentration provides the student with an array of study and coursework in real estate communication and negotiation, residential real estate management, marketing, and portfolio development.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Research and appraise historic, current, and developing methodologies in real estate marketing management in a wide variety of real estate business fields.
- Evaluate marketing management strategies and techniques.
- Compare and contrast communication and negotiation best practices and techniques.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
BUSN306	Real Estate Communication and Negotiation	3
BUSN308	Real Estate Marketing	3

BUSN301	Residential Real Estate Portfolio Development	3
BUSN425	Real Estate Management	3
Total Semester Hours		12

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
BUSN499	Senior Seminar in Business Administration (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (45 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		45
Total Semester Hours		45

# Bachelor of Engineering, Engineering: Electrical Engineering

The Bachelor of Engineering, Engineering: Electrical Engineering program focuses on the theories, practices, competencies, tools, and technologies associated with electrical engineering. You will get both online classroom instruction and hands-on lab experience to help prepare you as an electrical engineer. This Bachelor of Engineering, Engineering: Electrical Engineering provides knowledge and skills that are often required in fields including aerospace, telecommunications, defense, automotive, medical, construction, chemical, and more.

This program is not designed to prepare graduates for any state-issued professional license or certification and therefore has not been approved by any state professional licensing agency.

For admission to the Bachelor of Engineering, Engineering: Electrical Engineering program applicants must have completed preparation in mathematics equivalent to pre-calculus or higher.

The goal of the Bachelor of Engineering, Engineering: Electrical Engineering program is to provide our students with a sound Engineering education which they can apply in a variety of contexts. Specifically, in three to seven years after graduation, we expect that graduates of our program will demonstrate the following:

## Program Educational Objectives

1. Utilize the critical and systemic thinking skills, and technical and professional competencies, acquired through their education.
2. Create value for society through the ethical practice of their professional abilities in developing solutions to technical and societal challenges.
3. Continue to increase their knowledge and competence through self-development or formal schooling.

Courses in the Bachelor of Engineering, Engineering: Electrical Engineering include foundations in math, computer science, and physical sciences. Course topics include:

- Essential elements of analog circuit design
- Fundamentals of circuit analysis - Ohm's law, Kirchhoff's law, etc.
- International System of Units
- Digital and logic circuit analysis and design in 6 main parts
- Energy conversion and transport
- Electromagnetic field theory
- Passive microwave circuit analysis and design
- Radar and RF signal propagation, transmission, and reception

**Note:** At-home lab exercises require you to purchase additional course materials which are estimated to be up to \$8,000. These materials are not covered by the university undergraduate book grant.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these student outcomes:

### Student Outcomes

- an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts

- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

## Programmatic Admission Requirements

For admission to the Bachelor of Engineering, Engineering: Electrical Engineering program, applicants must have completed preparation in mathematics equivalent to pre-calculus or higher. A review of high school or college transcripts showing completion of this requirement will be conducted during the admission process.

Please visit our AMU (<https://www.amu.apus.edu/admissions/undergraduate-requirements.html>) or APU (<https://www.apu.apus.edu/admissions/undergraduate-requirements.html>) undergraduate admission page for more information on institutional admission requirements.

### Need help?

If you have questions regarding a program's admission requirements, please contact an Admissions Coach at 877-755-2787 or [info@apus.edu](mailto:info@apus.edu).

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	78
	General Concentration (p. 394)	14
	Final Program Requirements	6
	Total Semester Hours	128

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
PHIL200	Introduction to Ethics	3
STEM270	Thinking and Acting Ethically	3
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
STEM280	Exploring Society and Cultures via Science Fiction	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL114	Planning Your Future with Purpose in STEM	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	



ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL220	Technical Writing	3
<b>History (3 semester hours)</b>		
STEM185	The History and Context of STEM	3
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH225	Calculus	3
<b>Natural Sciences (3 semester hours)</b>		
STEM100	Introduction to STEM Disciplines	3
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 (<https://catalog.apus.edu/search/?P=ENGL101>) - Proficiency in Writing or ENGL110 (<https://catalog.apus.edu/search/?P=ENGL110>) - Making Writing Relevant.

## Major Required (78 semester hours)

Code	Title	Semester Hours
MATH220	Linear Algebra	3
Select 1 course from the following:		4
CHEM133	General Chemistry I with Lab	
BIOL133	General Biology I with Lab	
ELEN100	Introduction to Electrical Engineering	3
MATH210	Discrete Mathematics	3
SCIN233	Physics I with Lab	4
MATH226	Calculus II	3
ENGR200	Introduction to Engineering and Computing	3
SCIN234	Physics II with Lab	4
MATH240	Differential Equations	3

MATH227	Calculus III	3
ELEN201	Circuits I	3
ELEN210	Engineering Instrumentation and Measurements	3
ELEN202	Circuits II	3
MATH303	Probability and Statistics for Engineers and Scientists	3
ENGR300	Fundamentals of Mechanical Engineering	3
STEM380	Coevolution of Society, Culture, and Technology	3
ELEN310	Continuous and Discrete Signals and Systems	4
ELEN350	Electromagnetic Field Theory	3
ELEN306	Analog Circuit Theory	4
ELEN307	Digital Circuit Theory	4
ELEN315	Energy Conversion Processes and Power Systems	3
ELEN420	Communication Systems	3
ELEN416	Control Systems Theory and Design	3
Select 1 course from the following:		3
STEM470	Cybersecurity, Surveillance, Privacy and Ethics	
STEM471	Analytics, Algorithms, AI, and Humanity	
Total Semester Hours		78

Transfer students from an engineering program may apply up to 18 semester hours of STEM courses in place of the General Concentration courses.

## General Concentration (14 semester hours)

This general concentration allows you to select from all concentration courses offered within this program, enabling you to create your own focused area of study.

Transfer students from an ABET® accredited engineering program who select the General Concentration may apply up to 18 semester hours of upper-division engineering courses in place of the General Concentration courses with the Program Director's approval.

ABET® is a registered trademark of the Accreditation Board of Engineering and Technology, Inc.

## Concentration Requirements (14 semester hours)

Code	Title	Semester Hours
Select 2 courses from the following:		6
ELEN421	RF/Microwave Engineering I	
ELEN430	Embedded Systems Design	
ELEN432	Microcontroller Based Systems	
Select 2 courses from the following:		8
ELEN427	Radar Systems Theory	
ELEN435	Introduction to Power Electronics	
ELEN440	Mechatronics	
Total Semester Hours		14

## Final Program Requirements (6 semester hours)

Code	Title	Semester Hours
ELEN498	Senior Seminar Design	3
ELEN499	Senior Seminar Project (to be taken as the last course before graduation)	3
Total Semester Hours		6

# Bachelor of Science in Accounting

The Bachelor of Science in Accounting offers you the necessary theoretical knowledge, practical skills, and research know-how to address complex accounting issues. This online degree program helps to provide additional knowledge for those interested in financial fields in the public, private, and not-for-profit sectors, such as accounting, auditing or examiners.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>), and has earned additional ACBSP Specialized Accounting Accreditation ([http://www.acbsp.org/?page=accounting\\_degree](http://www.acbsp.org/?page=accounting_degree)).

This program is not designed to prepare graduates for any state-issued professional license or certification and therefore has not been approved by any state professional licensing agency.

*ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.*

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Explain the roles accountants perform in society.
- Discuss Generally Accepted Accounting Principles (GAAP) and their controlling authorities and relate these concepts with appropriate accounting practices.
- Analyze and prepare financial information for management and stakeholders utilizing appropriate accounting analyses and reports.
- Demonstrate a basic knowledge of the ethical framework for accountants adopted by professional accounting organizations, such as the American Institute of Certified Public Accountants (AICPA®) and the Institute of Management Accountants (IMA®).
- Articulate a basic knowledge of legal and business terms and concepts relating to the practice of accounting.

*AICPA® is a registered trademark of the American Institute of Certified Public Accountants.*

*IMA® is a registered trademark of the Institute of Management Accountants.*

## Programmatic Admission Requirements

You will be required to submit a signed statement of understanding (SOU) to enroll in this program.

Please visit our AMU (<https://www.amu.apus.edu/admissions/undergraduate-requirements.html>) or APU (<https://www.apu.apus.edu/admissions/undergraduate-requirements.html>) undergraduate admission page for more information on institutional admission requirements.

## Need help?

If you have questions regarding a program's admission requirements, please contact an Admissions Coach at 877-755-2787 or [info@apus.edu](mailto:info@apus.edu).

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	42
	General Concentration (p. 400)	27
	Final Program Requirements	3

Elective Requirements	18
Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
Select 1 course from the following:		3
ECON201	Microeconomics for Business	

ECON202	Macroeconomics for Business	
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL112	Planning Your Future with Purpose in Business	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	

HIST111	World Civilization before 1650
HIST112	World Civilization since 1650
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877
HIST222	African-American History since 1877
HIST223	History of the American Indian
HIST270	History of Science
STEM185	The History and Context of STEM

**Mathematics and Applied Reasoning (3 semester hours)**

MATH110	College Algebra	3
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**Natural Sciences (3 semester hours)**

Select 1 course from the following:	3
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BIOL180	Introduction to Biology
BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines

Total Semester Hours	30
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<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

**Major Required (42 semester hours)**

Code	Title	Semester Hours
MATH111	College Trigonometry	3
MATH225	Calculus	3
ACCT100	Accounting I	3
ACCT101	Accounting II	3
ITCC111	Basic Productivity Applications	3
ITCC112	Advanced Productivity Applications	3
MKTG201	Fundamentals of Marketing	3
BUSN310	Business Theory	3
BUSN311	Law and Ethics in the Business Environment	3
BUSN312	Operations Research	3
FINC400	Principles of Financial Management	3
MATH302	Statistics	3
MGMT310	Principles and Theory of Management	3
MGMT314	Management Ethics	3
Total Semester Hours		42

## General Concentration (27 semester hours)

This concentration helps to prepare students to for a variety of accounting fields such as public accounting, governmental accounting, and not-for-profit accounting. Students gain the theoretical knowledge, practical skills, and research skills needed to address complex accounting issues.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain the roles accountants perform in society.
- Discuss Generally Accepted Accounting Principles (GAAP) and their controlling authorities and relate these concepts with appropriate accounting practices.
- Analyze and prepare financial information for management and stakeholders utilizing appropriate accounting analyses and reports.
- Demonstrate a basic knowledge of the ethical framework for accountants adopted by professional accounting organizations, such as the American Institute of Certified Public Accountants (AICPA) and the Institute of Management Accountants (IMA).
- Articulate a basic knowledge of legal and business terms and concepts relating to the practice of accounting.

### Concentration Requirements (27 semester hours)

Code	Title	Semester Hours
ACCT301	Intermediate Accounting I	3
ACCT302	Intermediate Accounting II	3
ACCT303	Intermediate Accounting III	3
ACCT400	Auditing	3
ACCT401	Cost Accounting	3
ACCT420	Individual Federal Taxes	3
Select 3 courses from the following:		9
ACCT202	Introduction to Payroll	
ACCT300	Financial Accounting	
ACCT305	Accounting Information Systems	
ACCT406	Managerial/Cost Accounting	
ACCT415	Law for Accountants	
ACCT410	Governmental and Not-for-Profit Accounting	
Total Semester Hours		27

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
ACCT499	Senior Seminar in Accounting (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.



Elective Requirements (18 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		18
Total Semester Hours		18

# Bachelor of Science in Business Analytics

The Bachelor of Science in Business Analytics teaches you how to apply data analytics and mining techniques to help you meet your organization's business objectives. You'll be given problem-solving exercises working with fictional data sets and analysis for hands-on learning. The curriculum will prepare you to collect and analyze data in order to help you to tackle difficulties in business processes and create better tools for decision-making. Regardless of your industry, acquiring training in business intelligence is good preparation for those interested in fields such as business analyst, analytic system designer, or data scientist.

This program has been designed in consultation with industry business leaders and is accredited by the Accreditation Council for Business Schools and Programs (ACBSP®) (<http://www.acbsp.org>).

ACBSP® is a registered trademark of the Accreditation Council for Business Schools and Programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Integrate the various statistical analytics outputs and applications.
- Implement the models and add-ins used by Excel to process statistical data.
- Deconstruct student experiences with real time analytics applications and work problems.
- Produce a functional or chronological analytic project, along with an appropriate display and interpretation of results, findings, and recommendations for decision makers.
- Integrate key issues and topics in a reflective essay from the overall program experience.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	39
	Select one concentration from the following:	9
	General (p. 406)	
	Accounting (p. 406)	
	Entrepreneurship (p. 407)	
	Human Resources (p. 407)	
	Marketing (p. 408)	
	Retail Management (p. 408)	
	Security and Intelligence (p. 409)	
	Final Program Requirements	6
	Elective Requirements	36
	Total Semester Hours	120

# Degree Program Requirements

## General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
Select 1 course from the following:		3
ECON201	Microeconomics for Business	
ECON202	Macroeconomics for Business	
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	

ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL112	Planning Your Future with Purpose in Business
COMM211	Social Media and Society
COMM240	Intercultural Communication
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3

Select 1 course from the following: 3

COMM200	Public Speaking
ENGL101	Proficiency in Writing
ENGL115	Argumentation and Rhetoric
ENGL210	Introduction to Literature
ENGL221	Scientific Writing
ENGL220	Technical Writing
ENGL226	Effective Business Communication
HRMT101	Human Relations Communication
IRLS200	Information Literacy and Global Citizenship
ITCC231	Introduction to Information Technology Writing
MGMT100	Human Relations

**History (3 semester hours)**

Select 1 course from the following: 3

HIST101	American History to 1877
HIST102	American History since 1877
HIST111	World Civilization before 1650
HIST112	World Civilization since 1650
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877

HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH110	College Algebra	3
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (39 semester hours)

Code	Title	Semester Hours
ACCT105	Accounting for Non Accounting Majors	3
BUSN100	Basics of Business	3
MGMT101	Principles of Supervision	3
MKTG201	Fundamentals of Marketing	3
ITCC200	Application Software Integration	3
BUSN311	Law and Ethics in the Business Environment	3
BUSN312	Operations Research	3
BUSN410	Critical Thinking Strategies for Business Decisions	3
FINC300	Foundations of Financial Management	3
MATH302	Statistics	3
BUSN250	Analytics I	3
BUSN350	Analytics II	3
BUSN450	Advanced Analytics	3
Total Semester Hours		39

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Accounting, Concentration in Entrepreneurship, Concentration in Human Resources, Concentration in Marketing, Concentration in Retail Management, or a Concentration in Security and Intelligence.

## General Concentration (9 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

### Concentration Requirements (9 semester hours)

Code	Title	Semester Hours
ANLY460	Applied Analytics I	3
ANLY461	Applied Analytics II	3
ANLY462	Applied Analytics III	3
Total Semester Hours		9

## Concentration in Accounting (9 semester hours)

This concentration offers the opportunity to Business Analytics students to get exposure and a bit of knowledge about Accounting processes and management and how students can leverage data and analytics tools to Accounting areas. This concentration satisfies the growing trend of Accounting Analytics. Students who successfully complete this concentration will be able to apply analytics tools to solve accounting problems and support decision making in accounting.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Research and appraise historic, current, and developing methodologies in business and big data analytics and apply them appropriately to accounting & financial transactions.
- Demonstrate knowledge of the ethical framework for accountants adopted by professional accounting organizations, and accounting principles.
- Analyze, evaluate, and organize financial data to facilitate managerial decision making in accounting.
- Conduct an in-depth analysis of an organization's financial information and provide a written assessment of the results.

### Concentration Requirements (9 semester hours)

Code	Title	Semester Hours
Select 3 courses from the following:		9
ACCT202	Introduction to Payroll	
ACCT300	Financial Accounting	
ACCT301	Intermediate Accounting I	
ACCT302	Intermediate Accounting II	
ACCT303	Intermediate Accounting III	
ACCT305	Accounting Information Systems	
ACCT400	Auditing	
ACCT406	Managerial/Cost Accounting	
ACCT410	Governmental and Not-for-Profit Accounting	
ACCT415	Law for Accountants	
ACCT420	Individual Federal Taxes	
Total Semester Hours		9

## Concentration in Entrepreneurship (9 semester hours)

This concentration offers a unique skill for entrepreneurs who are looking to make informed decision and to solve business problems.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Research and appraise historic, current, and developing methodologies in business and big data analytics and apply them appropriately to manage the operations of a wide variety of Entrepreneurship aspects
- Demonstrate knowledge of the data analytics framework adopted by and for Entrepreneurship functions associated with owning and operating a business.
- Analyze, evaluate, and organize Entrepreneurship data, to facilitate problem solving, and decision making in all functions associated with owning and operating a business, where data is collected and utilized.

### Concentration Requirements (9 semester hours)

Code	Title	Semester Hours
Select 3 courses from the following:		9
ENTR150	Idea Generation	
ENTR311	Business Plan Foundations	
ENTR320	Practical Law for the Entrepreneur	
ENTR315	Financing a New Venture	
Total Semester Hours		9

## Concentration in Human Resources (9 semester hours)

This concentration offers the opportunity to Business Analytics students to get exposure and a bit of knowledge about Human Resource processes & management, and how students can leverage data and analytics tools to HR areas like Compensation and Benefits, Information Systems, or Recruitment and Staffing. This concentration satisfies the growing trend of HR Analytics. Students who successfully complete this concentration will be able to apply analytics tools to solve HR problems and support decision making in HR.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Research and appraise historic, current, and developing methodologies in business and big data analytics and apply them appropriately to Human Resource Management and operations.
- Demonstrate knowledge of the ethical framework for accountants adopted by businesses professional organizations, and Human Resource Management principals.
- Analyze, evaluate, and organize employee's financial data, administrative data, information data, and Human Resource Management data, to facilitate managerial decision making.
- Conduct an in-depth analysis of an organization's personnel and Human Resource Management information, and provide a written assessment of the results.

**Concentration Requirements (9 semester hours)**

Code	Title	Semester Hours
Select 3 courses from the following:		9
HRMT407	Human Resource Management	
HRMT412	Compensation and Benefits	
HRMT415	Human Resource Management Information Systems	
HRMT419	Recruitment and Staffing	
Total Semester Hours		9

**Concentration in Marketing (9 semester hours)**

This concentration offers the opportunity to Business Analytics students to get exposure to marketing and the means of reaching existing and potential customers in the modern world of business. Knowledge of the tools utilized in the marketing space are becoming essential for business professionals. The marketing concentration is designed to build on the knowledge gained in the Bachelor's of Science in Business Analytics program and to provide focus on marketing from a data analysis perspective and developing an integrated marketing strategy.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Research and appraise historic, current, and developing methodologies in business and big data analytics and apply them appropriately to Marketing.
- Demonstrate knowledge of the ethical framework for marketers and marketing professionals adopted by businesses professional organizations, and marketing principals.
- Analyze, evaluate, and understand market dynamics & trends, sales and marketing data, to facilitate managerial decision making.
- Conduct an in-depth analysis of an organization's sales and marketing information, and provide a written assessment of the results.

**Concentration Requirements (9 semester hours)**

Code	Title	Semester Hours
Select 3 courses from the following:		9
MKTG305	Advertising	
MKTG400	Marketing Research	
MKTG401	Marketing Strategy	
MKTG403	Marketing Management	
Total Semester Hours		9

**Concentration in Retail Management (9 semester hours)**

This concentration offers a unique qualification and skill for problem solving for students interested in joining the retail industry as it grows to amass trillions of dollars in revenues worldwide, especially online retail data and transactions.

**Objectives**

Upon successful completion of this concentration, the student will be able to:



- Research and appraise historic, current, and developing methodologies in business and big data analytics and apply them appropriately to manage the operations of a wide variety of retail businesses fields.
- Demonstrate knowledge of the data analytics framework adopted by and for retail management (including merchandizing, customer service, etc.) professionals and/or organizations, and analysis principals.
- Analyze, evaluate, and organize retail management data, to facilitate problem solving, and decision making in all areas of retail management where data is collected and utilized.

### Concentration Requirements (9 semester hours)

Code	Title	Semester Hours
Select 3 courses from the following:		9
RTMG300	Retail Strategy	
RTMG302	Retail Operations	
RTMG303	Retail Merchandising Operations	
RTMG304	Digital Retail Inventory Management	
Total Semester Hours		9

### Concentration in Security and Intelligence (9 semester hours)

This concentration offers the opportunity to Business Analytics students to get exposure and a bit of knowledge about Security and Intelligence processes related to national and international security elements, and how students can leverage data and analytics tools to Security and Intelligence areas like Threat Analysis, Intel and Homeland Security, Intelligence Analysis, Cyber Warfare, Narcotics, Terrorism and US National Security. This concentration satisfies the growing trend of Intelligence Analytics. Students who successfully complete this concentration will be able to apply analytics tools to solve Security and Intelligence problems and support decision making.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Research and appraise historic, current, and developing methodologies in business and big data analytics and apply them appropriately to Terrorism, Security & Intelligence fields.
- Demonstrate knowledge of the data analytics framework adopted by security & intelligence professionals and/or organizations, and analysis principals.
- Analyze, evaluate, and organize Terrorism, Security, War & Intelligence data, to facilitate tactical & strategic problem solving, and decision making.
- Conduct an in-depth analysis of an organization's Security & Intelligence information, and provide a written assessment of the data analytics results & interpretations.

### Concentration Requirements (9 semester hours)

Code	Title	Semester Hours
Select 3 courses from the following:		9
INTL401	Critical Analysis	
INTL434	Threat Analysis	
HLSS320	Intelligence and Homeland Security	
INTL402	Intelligence Analysis	
INTL440	Cyber Warfare	

INTL446	Intelligence and Narcotics	
INTL451	Terrorism and U.S. National Security	
INTL453	Illicit Finance	
CMRJ320	Law Enforcement Intelligence Applications	
Total Semester Hours		9

Final Program Requirements (6 semester hours)

Code	Title	Semester Hours
ANLY499	Analytics Senior Seminar (to be taken as the last course before graduation) <sup>1</sup>	6
Total Semester Hours		6

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (36 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		36
Total Semester Hours		36

# Bachelor of Science in Computer Science

The Bachelor of Science in Computer Science at APUS comprises a rigorous, balanced curriculum including topics in both hardware and software, focusing on cyber operations. Students will have a comprehensive program of study in computer science and also be able to take a deep-dive by selecting a concentration in specific areas of interest such as communications and artificial intelligence. Our online computer science degree is designed to enable working professionals to gain knowledge in rapidly growing fields within computer science, e.g. software and application developers, computer scientists, system software developers, computer programmers, and more. The Bachelor of Science in Computer Science at APUS can prepare students for challenging professional endeavors or for ongoing graduate work in Computer Science.

This program has specific admission requirements.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- Communicate effectively in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in activities appropriate to the computer science discipline.
- Apply computer science theory and software development fundamentals to produce computing-based solutions.

## Programmatic Admission Requirements

For admission to the BS of Computer Science, applicants must have completed preparation in mathematics equivalent to pre-calculus or higher. A review of high school or college transcripts showing completion of this requirement will be conducted during the admission process.

Please visit our AMU (<https://www.amu.apus.edu/admissions/undergraduate-requirements.html>) or APU (<https://www.apu.apus.edu/admissions/undergraduate-requirements.html>) undergraduate admission page for more information on institutional admission requirements.

## Need help?

If you have questions regarding a program's admission requirements, please contact an Admissions Coach at 877-755-2787 or [info@apus.edu](mailto:info@apus.edu).

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	68
	Select one of the following concentrations:	18
	Artificial Intelligence (p. 414)	
	Cyber Operations (p. 415)	
	Final Program Requirements	6
	Total Semester Hours	122

# Degree Program Requirements

## General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
STEM270	Thinking and Acting Ethically	3
Select 1 courses from the following:		3
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
<b>Civics, Political and Social Sciences (6 semester hours)</b>		
STEM280	Exploring Society and Cultures via Science Fiction	3
Select 1 courses from the following:		3
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	

CHFD220	Human Sexuality	
COLL114	Planning Your Future with Purpose in STEM	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
STEM185	The History and Context of STEM	3
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH225	Calculus	3
<b>Natural Sciences (3 semester hours)</b>		
STEM100	Introduction to STEM Disciplines	3
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (68 semester hours)

Code	Title	Semester Hours
SCIN233	Physics I with Lab	4
MATH210	Discrete Mathematics	3
MATH226	Calculus II	3
MATH220	Linear Algebra	3
SCIN234	Physics II with Lab	4
CSCI140	Introduction to Programming	3
CSCI150	Digital Systems I	3
CSCI210	Introduction to Networking	3
CSCI240	Algorithms and Data Structures I	3
CSCI230	Machine Architecture and Organization	3
CSCI220	Operating Systems I	3
MATH302	Statistics	3
CSCI350	Digital Systems II	3
CSCI340	Program Design and Development	3
CSCI345	Algorithms and Data Structures II	3
CSCI320	Operating Systems II	3
CSCI360	Introduction to Database Systems	3
CSCI311	Network Security Fundamentals	3
CSCI471	Software Engineering	3
CSCI452	Cybersecurity/Cyber Defense	3
CSCI445	Formal Languages and Automata Theory	3
CSCI440	Principles of Programming Languages	3
Total Semester Hours		68

Students must choose a concentration for this degree program and may select from a Concentrations in Artificial Intelligence or Concentration in Cyber Operations.

## Concentration in Artificial Intelligence (18 semester hours)

The Artificial Intelligence concentration for the BS in Computer Science teaches students to design and execute computational systems that interpret and understand. Students can research and apply machine-learning methods and develop problem-solving models applicable to a variety of domains. Furthermore, students can learn how to build systems that collect and respond to various sensors and measurements, and develop networks that communicate and respond to environmental signals. Self-taught intelligent systems play a significant role in this domain. This concentration of Artificial Intelligence utilizes the basics of computer science and applies advanced methods needed for effective knowledge modeling.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Understand principles of machine learning and artificial intelligence.
- Gain hands-on experience with a variety of machine learning models under different constraints (supervised, unsupervised, semi-supervised, environment feedback).

- Become proficient in handling different types of data including structured and unstructured, using traditional and advanced machine learning techniques.
- Apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning.
- Demonstrate awareness and a fundamental understanding of various applications of AI and machine learning techniques.

### Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
CSCI381	Machine Learning	3
CSCI386	Advanced Topics in Machine Learning	3
CSCI484	Introduction to Artificial Intelligence	3
CSCI486	Deep and Reinforcement Learning	3
CSCI480	Introduction to Artificial Life	3
STEM471	Analytics, Algorithms, AI, and Humanity	3
Total Semester Hours		18

### Concentration in Cyber Operations (18 semester hours)

The Cyber Operations concentration provides students with skills and in-depth expertise to protect and build safe software systems. Students obtain a thorough understanding of the technical needs, risks, and vulnerabilities of computer systems as they learn how to use tools and techniques to investigate, analyze, and respond to cyber-attacks. The concentration examines various aspects of society and focuses on both theoretical and practical dimensions. Students learn about a wide variety of computer security-related subjects, such as networks, mobile technologies, and cloud computing. Students will also have the ability to discuss the social implications of cybersecurity through courses such as STEM470 Cybersecurity, Surveillance, Privacy and Ethics.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Have a firm understanding of the System Development Life Cycle (SDLC) and be able to apply concepts for a secure system development.
- Understand cyber threat environment, and be able to monitor, detect, analyze, and expel threats from information system.
- Secure systems to ensure Confidentiality, Integrity and Availability (CIA) of the information and protect data and networks from intrusions and malicious actors.
- Design networks utilizing Risk Management Framework (RMF) methodology, risk analysis, security policies, and monetary damages assessment.
- Plan and implement security strategies, policies, disaster recovery plans, continuity of operation plans, and audits in a broad range of local and wide area networks.

### Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
CSCI370	Software Reverse Engineering	3
CSCI390	Cellular and Mobile Technologies	3
CSCI475	Development of Secure Software Systems	3
ISSC326	Cloud Computing	3
CSCI431	Embedded Systems	3

STEM470	Cybersecurity, Surveillance, Privacy and Ethics	3
Total Semester Hours		18

Final Program Requirements (6 semester hours)

Code	Title	Semester Hours
CSCI498	Senior Project Design	3
CSCI499	Senior Project Implementation	3
Total Semester Hours		6



# Bachelor of Science in Computer Technology

The Bachelor of Science in Computer Technology degree provides practical knowledge and skills designed to prepare you for technical positions in the information and related computer industries regardless of your background. Pursuing this degree will afford you the opportunity to complement your mandatory industry certifications such as CompTIA Security+® and CompTIA A+® with a degree. The program covers a variety of subject areas to include soft skills in human relations, computer-based systems organization processes and components, web development fundamentals, productivity applications, programming essentials, communication and network technologies, database systems and information security management. Additional concentrations allow you to choose from dozens of specific courses in order to specialize in the technology area of interest for your current career. Successful completion of this online program provides practical skills often required for entry-level careers in the computer and information technology field.

Coursework in this program also meets various industry certifications including Microsoft Office® Specialist (MOS), Certified Internet Webmaster (CIW®), Cisco Certified Network Associate (CCNA®), Amazon Web Services (AWS®), and CompTIA A+, CompTIA Security+, and CompTIA Network+®. Please view course descriptions for complete details.

The program also has a completer option, which allows associate of science or arts degree holding students to transfer in a minimum of 60 semester hours of credits to expedite completing the degree - please see your advisor for more details.

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## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate effective interpersonal skills to communicate and collaborate.
- Analyze computing requirements to solve problems.
- Design computer systems or technology-based projects using appropriate hardware and software technologies.
- Develop computer systems and technology-based projects using analytical, logical, and critical thinking skills.
- Demonstrate understanding of ethical, legal, security, and social responsibilities as a professional in the technology industry.
- Apply current skills and tools of software applications development, network architecture, data productivity and information security analysis.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	72
	Select one of the following concentrations:	15
	Cloud Computing (p. 420)	
	Information Security and Assurance (p. 421)	
	Networking (p. 421)	

Web Development (p. 422)

Final Program Requirements	3
Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
STEM270	Thinking and Acting Ethically	3
Select 1 course from the following:		3
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
STEM280	Exploring Society and Cultures via Science Fiction	3
Select 1 course from the following:		3

ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL114	Planning Your Future with Purpose in STEM	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ITCC231	Introduction to Information Technology Writing	3
<b>History (3 semester hours)</b>		
STEM185	The History and Context of STEM	3
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH110	College Algebra	3
<b>Natural Sciences (3 semester hours)</b>		
STEM100	Introduction to STEM Disciplines	3
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (72 semester hours)

Code	Title	Semester Hours
MGMT100	Human Relations	3
ITCC121	Introduction to Computer Science	3
ITCC200	Application Software Integration	3
ITCC112	Advanced Productivity Applications	3
ITMG221	IT Project Management	3

ENTD200	Fundamentals of Programming	3
ENTD220	Introduction to Python®	3
WEBD121	Web Development Fundamentals	3
WEBD221	Intermediate Web Development	3
WEBD241	Web Development Using JavaScript®	3
ISSC221	Intermediate Computer Systems	3
INFO222	Database Concepts	3
ISSC231	Networking Concepts	3
INFO331	Management Information Systems	3
ENTD313	Mobile Application Design and Development	3
ENTD323	App Development	3
ISSC322	Computer Systems Organization: Advanced	3
ISSC323	Computer Hardware Systems	3
ISSC422	Information Security	3
ISSC331	Legal Issues in Information Security	3
ISSC344	Open Source System Security	3
ITMG481	Ethics in Information Technology	3
STEM380	Coevolution of Society, Culture, and Technology	3
Select 1 course from the following:		3
STEM470	Cybersecurity, Surveillance, Privacy and Ethics	
STEM471	Analytics, Algorithms, AI, and Humanity	

Total Semester Hours 72

Students must choose a concentration for this degree program and may select from the Concentration in Cloud Computing, Concentration in Information Security and Assurance, Concentration in Networking, or Concentration in Web Development.

## Concentration in Cloud Computing (15 semester hours)

The concentration offers an introduction to the field of cloud computing. You will learn about cloud architecting, the fundamentals of building IT infrastructure on Amazon Web Services (AWS); it will teach you solutions architects and how to optimize the use of the AWS Cloud by understanding AWS services and how these services fit into cloud-based solutions, while maintaining recommended security and privacy. The concentration aligns with AWS Certification.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify appropriate cloud services such as Infrastructure-as-a-Service, Platform-as-a-Service, and Software-as-a-Service necessary to fulfill business requirements.
- Select key resources to model service specifications and service contracts to perform service orchestration.
- Design logical Service-Oriented Architecture (SOA) to convert into services implementable in today's cloud environments.
- Demonstrate use of key tools to analyze an organization's assets and verify if the cloud security and privacy implications are justifiable in implementing cloud computing.
- Apply key principles of cloud computing and the security and privacy involved with this technology.

**Concentration Requirements (15 semester hours)**

Code	Title	Semester Hours
ITNW210	Cloud Foundations	3
ITNW211	Cloud Architecting	3
ISSC326	Cloud Computing	3
ISSC426	Cloud Security and Privacy	3
ISSC345	Service Oriented Architecture	3
Total Semester Hours		15

**Concentration in Information Security and Assurance (15 semester hours)**

This concentration expands your knowledge of information technology security and, it helps you better apply critical security measures. Protecting sensitive or proprietary information is of paramount importance. Malicious security threats are on the rise and necessitates critical security strategies that incorporate information assurance, solid attack and defense tactics, risk management, auditing, planning and policies that will maintain the credibility and survival of the organization. The concentration focuses on addressing these information security needs in the industry.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Analyze user requirements to design, develop and deploy effective information security solutions.
- Apply information assurance initiatives to protect an organization's information assets.
- Develop a security architecture consisting of tools, techniques, and technologies to prevent the penetration of networks, to detect attacks, and to defend an organization using effective countermeasures.
- Develop effective assessment strategies to implement effective and proactive risk mitigation measures and risk management practices.
- Examine various technologies and tools to assist with discovery and auditing in the world of security management.
- Construct security plans and actionable and maintainable policies to create a holistic approach to cybersecurity for an organization.

**Concentration Requirements (15 semester hours)**

Code	Title	Semester Hours
ISSC361	Information Assurance	3
ISSC262	Red and Blue Team Security	3
ISSC363	IT Security: Risk Management	3
ISSC471	IT Security: Auditing	3
ISSC481	IT Security: Planning and Policy	3
Total Semester Hours		15

**Concentration in Networking (15 semester hours)**

The concentration extends your understanding of the principles and practices associated with local, distributed and enterprise networking. You will learn about basic routing and switching concepts, Virtual LANs (VLANs), Inter-VLAN routing, static routing and dynamic routing protocols, Single-Area OSPF, Access Control Lists (ACLs), Dynamic Host Configuration Protocol (DHCP), Network Address Translation (NAT), wireless ad-hoc networks, and network and mobile security. The concentration aligns with Cisco Certified Entry Networking Technician (CCENT®) certificate as well as the Cisco Certified Network Associate (CCNA R&S) designation.

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## Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify user requirements to design, develop and deploy effective network solutions.
- Analyze network designs, topologies, architectures, protocols, communications, administration, operations, and resource management for wired, wireless, and web-based networks.
- Demonstrate the ability to configure routers, switches, static routing, dynamic routing, and Virtual LANs (VLAN).
- Demonstrate the use of common network protocols.
- Develop network security practices, processes, and plans used to maintain an effective and productive network.
- Apply relevant wireless and mobile network security measures to address security threats.

## Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ITNW200	Cisco I	3
ITNW201	Cisco II	3
ISSC343	Wireless Networks	3
ISSC421	Computer and Network Security	3
ISSC442	Wireless and Mobile Network Security	3
Total Semester Hours		15

## Concentration in Web Development (15 semester hours)

This concentration focuses on the principles and practices necessary to design, develop, and deploy web applications. You will study Internet communication and technology, Web browsing, multimedia on the Web, databases and Web search engines, business e-mail and personal information management, Internet services and tools. You will also explore search engine optimization (SEO) techniques, design effective user interfaces for websites, examine Web e-commerce development and how businesses and organizations may use the Web to buy and sell products and services online, and use Extensible Markup Language (XML) standard to create data formats to electronically share structured data.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain the principles and practices of Web technologies.
- Apply search engine optimization (SEO) strategies.
- Design effective user interfaces for websites, with an emphasis on designing for mobile technologies.
- Summarize the growing trends of e-commerce development and how it is transforming businesses.
- Demonstrate use of Extensible Markup Language (XML) standard to create a document structure.

## Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
WEBD311	Internet Concepts	3
WEBD323	Search Engine Optimization	3
WEBD300	User Interface Design	3

WEBD321	Web eCommerce Development	3
WEBD341	Enterprise Data Exchange Using XML	3
Total Semester Hours		15

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
ITCC498	Computer Technology Advanced Capstone (to be taken as the last course before graduation)	3
Total Semester Hours		3

# Bachelor of Science in Criminal Justice - Digital Forensics

The Bachelor of Science in Criminal Justice offers an in-depth scientific study of crime, criminal behavior, digital forensics investigations, and the importance of scientific analysis as evidence presented in the criminal justice system. Forensic science is the application of scientific methods and analysis of scientific data to support the law. You will study the theory of forensic science, including the nature and scope of the discipline, the application of forensic science to crime, police investigation and the adjudication process, and the legal and ethical issues associated with forensics. You will also examine the importance of scientific analysis of digital evidence and its place in the judicial system, while receiving a solid foundation of analytical and communication skills required in complex criminal justice fields.

Our criminal justice programs are among the most popular at the university, bringing you peer interactions and an expanded network of criminal justice professionals who are dedicated to safeguarding their communities and nation. Courses in this program are taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or criminal justice organizations.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

### Criminal Justice Administration and Organization

- Recognize and explain the major international, U.S., and localized law enforcement systems and organization.
- Describe and analyze the political and public administrative aspects of law enforcement organizations.

### Criminal Justice Theories and Concepts

- Communicate and apply the major theories and concepts of crime, criminal justice, and criminology.
- Conduct research associated with criminal justice and criminology theories.

### Criminal Justice Operations, Practices, and Processes

- Assess the operations, practices, and processes associated with leading standards of evidence and law.

### Digital Forensics

- Examine common incident response procedures via basic computer investigation processes and a good computer forensics lab for the development of investigative reports following first responder procedures.
- Investigate forensics of wireless network attacks caused by mobile and wireless peripheral devices, and then evaluate security and access procedures within wireless Internet use of subject search warrants and chain of custody in a forensic investigation.
- Explore web attacks, router forensics, email tracking techniques, email crime, and network forensics through investigation logs.
- Discuss corporate espionage and prevention techniques and computer-related crimes, such as sexual harassment and child pornography and the law.
- Analyze image files using forensic processes, recovered files on deleted partitions, data acquisition and duplication procedures, and steganography tools to create a forensic investigation case.



- Analyze file systems, hard disks, various types of digital media, tools, and applications that utilize password cracking on various operating systems.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	30
	Concentration in Digital Forensics (p. 428)	27
	Final Program Requirement	3
	Elective Requirements	30
Total Semester Hours		120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	

PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following: 6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL115	Planning Your Future with Purpose in Security & Global Studies
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3

Select 1 course from the following: 3

COMM200	Public Speaking
ENGL101	Proficiency in Writing
ENGL115	Argumentation and Rhetoric
ENGL210	Introduction to Literature
ENGL220	Technical Writing
ENGL221	Scientific Writing
ENGL226	Effective Business Communication
HRMT101	Human Relations Communication

IRLS200	Information Literacy and Global Citizenship
ITCC231	Introduction to Information Technology Writing
MGMT100	Human Relations

#### History (3 semester hours)

Select 1 course from the following: 3

HIST101	American History to 1877
HIST102	American History since 1877
HIST111	World Civilization before 1650
HIST112	World Civilization since 1650
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877
HIST222	African-American History since 1877
HIST223	History of the American Indian
HIST270	History of Science
STEM185	The History and Context of STEM

#### Mathematics and Applied Reasoning (3 semester hours)

Select 1 course from the following: 3

ACCT105	Accounting for Non Accounting Majors
ENTD200	Fundamentals of Programming
MATH110	College Algebra
MATH111	College Trigonometry
MATH112	Pre-Calculus
MATH120	Introduction to Statistics
MATH125	Math for Liberal Arts Majors
MATH225	Calculus

#### Natural Sciences (3 semester hours)

Select 1 course from the following: 3

BIOL180	Introduction to Biology
BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines

Total Semester Hours 30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (30 semester hours)

Code	Title	Semester Hours
CMRJ201	Criminal Justice Administration	3
CMRJ303	Criminology	3
CMRJ306	Criminal Investigation	3
SSGS300	Research Design and Methods	3
CMRJ308	Ethics in Criminal Justice	3
CMRJ329	Criminal Profiling	3
CMRJ335	Crime Analysis	3
CMRJ341	Criminalistics	3
LSTD301	Constitutional Law	3
LSTD302	Criminal Law	3
Total Semester Hours		30

## Concentration in Digital Forensics (27 semester hours)

Offers an in-depth scientific study of crime, criminal behavior, crime scene investigation theories, and the importance of scientific analysis as evidence. Focuses on cybercrime and computer forensics with emphasis on wireless networks and devices, operating systems, intrusions, and the related investigative procedures.

Code	Title	Semester Hours
ISSC343	Wireless Networks	3
ISSC351	Computer Forensics	3
ISSC451	Cybercrime	3
ISSC455	Digital Forensics: Investigation Procedures and Response	3
ISSC456	Digital Forensics: Investigating Wireless Networks and Devices	3
ISSC457	Digital Forensics: Investigating Network Intrusions and Cybercrime Security	3
ISSC458	Digital Forensics: Investigating Data and Image Files	3
ISSC459	Digital Forensics: Hard Disc and Operating Systems	3
LSTD400	Criminal Legal Process	3
Total Semester Hours		27

## Final Program Requirement (3 semester hours)

Code	Title	Semester Hours
CMRJ497	Criminal Justice Capstone - Digital Forensics	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (30 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		30
Total Semester Hours		30

# Bachelor of Science in Cybersecurity

The Bachelor of Science in Cybersecurity exposes students to the exciting and ever-changing world of cybersecurity. It is designed to help prepare students to be professional, contributing members of the cybersecurity community and to seek opportunities in diverse environments such as corporations, government agencies, public organizations, private companies, and consulting firms. Students will be given the option to explore multiple areas of cybersecurity, including cyber defense, cybercrime, cyberoperations, cyberlaw, and cyberintelligence.

## Degree Program Objectives

- In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:
- Compare and contrast the various aspects of cybersecurity including the relationship between cyber defense, cyber operations, cyber exploitations, cyber intelligence, cybercrime, and cyber law within federal and state laws.
  - Demonstrate an understanding of the processes and goals of cyber forensics investigations including the importance of search warrants and chain of custody in a forensic investigation of computer-related crimes.
  - Develop strategies and plans for security architecture consisting of tools, techniques, and technologies to detect and prevent network penetration, and to design effective cybersecurity countermeasures.
  - Analyze network designs, topologies, architectures, protocols, communications, administration, operations, and resource management for wired, wireless, and satellite networks that affect the security of the cyberspace.

## Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		45
Select one of the following concentrations:		15
General Concentration (p. 433)		
Critical Infrastructure (p. 434)		
Digital Forensics (p. 434)		
Privacy and Surveillance (p. 435)		
Wireless and Mobile Security (p. 435)		
Final Program Requirements		3
Elective Requirements		27
Total Semester Hours		120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) <sup>1</sup>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	

ARTH200	Art Appreciation
ARTH240	Survey of Photography
ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL115	Planning Your Future with Purpose in Security & Global Studies
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature

POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH110	College Algebra	3
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	



ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (45 semester hours)

Code	Title	Semester Hours
ISSC242	Hardening Operating Systems	3
ENTD261	Scripting Languages for the Administrator	3
ISSC231	Networking Concepts	3
ISSC290	Securing Databases	3
ITMG281	Law, Privacy, and Digital Data	3
ISSC262	Red and Blue Team Security	3
ISSC266	Cryptography Concepts	3
ISSC325	Biometrics	3
ISSC421	Computer and Network Security	3
ISSC422	Information Security	3
ISSC451	Cybercrime	3
ISSC452	Cybersecurity	3
ISSC481	IT Security: Planning and Policy	3
INTL440	Cyber Warfare	3
MATH302	Statistics	3
Total Semester Hours		45

Students must choose a concentration for this degree program and may select from the General Concentration, Concentration in Critical Infrastructure, Concentration in Digital Forensics, Concentration in Privacy and Surveillance, or Concentration in Wireless and Mobile Security.

## General Concentration (15 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
ISSC343	Wireless Networks	3
ITMG481	Ethics in Information Technology	3
INFO222	Database Concepts	3
ISSC368	IT Security: Physical and Peripheral Defense	3
ISSC456	Digital Forensics: Investigating Wireless Networks and Devices	3
Total Semester Hours		15

## Concentration in Critical Infrastructure (15 semester hours)

The Bachelor of Science in Cybersecurity with a concentration in Critical Infrastructure provides you with the knowledge to best understand the Industrial Control Systems (ICS) and Supervisory Control and Data Acquisition (SCADA) systems that run the everyday systems that we depend on from gas, electric, and other utilities to the production of your favorite foods. The concentration will delve into how these systems differ from the devices used by your average computer user, as well as how one can best protect these unique systems from hackers to nation states. You will be exposed to various aspects of systems from Programmable Logic Controllers (PLC) to nuclear power plants. This is a unique field with consistent growth as everyone depends on critical infrastructure virtually nonstop around the clock.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Evaluate risks of Industrial Control Systems (ICS) and Supervisory Control and Data Acquisition (SCADA) systems.
- Explore various federal agencies' roles in protecting the nation's critical infrastructure.
- Identify critical infrastructure components.
- Determine appropriate solutions to mitigate critical infrastructure threats.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
HLSS310	Critical Infrastructure Protection	3
ISSC477	ICS and SCADA Security Architecture	3
ISSC478	SCADA Risk Management	3
ISSC479	SCADA Security Standards	3
ISSC480	Threats to SCADA Networks	3
Total Semester Hours		15

## Concentration in Digital Forensics (15 semester hours)

Bringing cybercriminals to justice requires individuals with computer forensics skill sets who have the ability to quickly collect, analyze, and present cybercrime evidence. Become familiar with digital forensic measures for security incident response with a concentration in Digital Forensics.

Study how to prevent the loss of sensitive proprietary information and deter future cyberattacks. In addition, you'll learn about common incident response procedures, web attacks, router forensics, email crime, corporate espionage, and steganography in your online courses in digital forensics.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Demonstrate knowledge of incident response procedures, computer investigation processes, digital forensics lab work, and investigative reports.
- Illustrate understanding of wireless network attack forensics, wireless internet use security and access procedures, search warrants, and chain of custody.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ISSC455	Digital Forensics: Investigation Procedures and Response	3
ISSC456	Digital Forensics: Investigating Wireless Networks and Devices	3

ISSC457	Digital Forensics: Investigating Network Intrusions and Cybercrime Security	3
ISSC458	Digital Forensics: Investigating Data and Image Files	3
ISSC459	Digital Forensics: Hard Disc and Operating Systems	3
Total Semester Hours		15

## Concentration in Privacy and Surveillance (15 semester hours)

The Privacy and Surveillance concentration provides students with a multifaceted approach not only addressing commonly used tools and methods of surveillance but also privacy considerations. Students will be exposed to how surveillance is both intentional and unintentional. The risk of using various forms of hardware and software will be discussed. Legal and ethical consideration surrounding the impact surveillance has on privacy rights will be addressed.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Demonstrate knowledge of common surveillance technologies.
- Illustrate understanding of how technology impacts population segments differently.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ITMG281	Law, Privacy, and Digital Data	3
ISSC473	IoT Surveillance	3
ISSC474	Networking Surveillance	3
ISSC475	Bias in Surveillance	3
ISSC476	Surveillance Legislation and Policy	3
Total Semester Hours		15

## Concentration in Wireless and Mobile Security (15 semester hours)

This concentration for the Bachelors of Science in Cybersecurity will allow students to specialize in the methodologies used to secure the networks, hardware – devices, software – apps, and the laws and regulations, policies and procedures, and ethical responsibilities for privacy and security of mobile devices using mobile and wireless network infrastructures. The concentration will emphasize countermeasures taken to harden the security of various aspects of mobile technologies associated to government, military, industry, educational, and private enterprises.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Extrapolate threats and vulnerabilities introduced into the network infrastructures of wireless, mobile, cellular, and satellite technologies.
- Examine current mobile application models, their security framework, and methodologies on hardening the security to safeguard the devices running them and adapt them to higher privacy standards.
- Appraise security hardening techniques for wireless or mobile device technologies based on wireless security principles and current industry standards.
- Investigate forensics of wireless network attacks caused by mobile and wireless peripheral devices, and then evaluate security and access procedures within wireless Internet use of subject search warrants and chain of custody in a forensic investigation.

**Concentration Requirements (15 semester hours)**

Code	Title	Semester Hours
ISSC412	Mobile Application Security	3
ISSC415	Mobile Device Security	3
ISSC442	Wireless and Mobile Network Security	3
ISSC456	Digital Forensics: Investigating Wireless Networks and Devices	3
ISSC457	Digital Forensics: Investigating Network Intrusions and Cybercrime Security	3
Total Semester Hours		15

**Final Program Requirements (3 semester hours)**

Code	Title	Semester Hours
ISSC499	Senior Seminar in Cybersecurity (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Completion of a minimum of 106 hours towards your program including ENGL101 or ENGL110.

**Elective Requirements (27 semester hours)**

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		27
Total Semester Hours		27

# Bachelor of Science in Data Science

The Bachelor of Science in Data Science offers students technical depth in data science. Students pursuing this degree will cover the foundational aspects of data science, then progress through more difficult tools, techniques, and methodologies used in data science. Students can tailor their program of study through concentrations including deep learning and business intelligence. Upon completion of this program, students will be able to confidently approach problems or challenges in virtually any discipline: business, finance or economics, engineering, healthcare, or the physical or social sciences. Graduates will be able to deliver reproducible data analyses and solutions. Graduates will understand ethical, privacy, and security considerations in the conduct of data analyses. Graduates will be able to communicate the story in the data through the use of data visualization techniques.

This program has specific admission requirements.

## Degree Program Objectives

Upon completion of this program of study, students will be able to:

- Recognize requirements for data. Efficiently collect the required data from a variety of sources and organize it appropriately.
- Determine the best method to conduct an analysis for a specified situation and given data. Conduct the analysis or analyses and completely evaluate all aspects of the results.
- Deliver reproducible analyses and results.
- Effectively communicate any or all aspects of an analysis and all aspects of the results of that analysis to either or both a technical or non-technical audience. Information communicated could include the method used for analysis, any parameter settings that would affect the analysis or results, and an error analysis, etc.
- Explain the ethical, privacy, and security issues related to data science analyses and communication.
- Obtain real-world experience through project-based coursework and the Senior Project.
- Stand out with a specific technical area of expertise by completing a concentration in any of the available concentrations.

## Programmatic Admission Requirements

For admission to the BS of Data Science, applicants must have completed preparation in mathematics equivalent to pre-calculus or higher. A review of high school or college transcripts showing completion of this requirement will be conducted during the admission process.

Please visit our AMU (<https://www.amu.apus.edu/admissions/undergraduate-requirements.html>) or APU (<https://www.apu.apus.edu/admissions/undergraduate-requirements.html>) undergraduate admission page for more information on institutional admission requirements.

### Need help?

If you have questions regarding a program’s admission requirements, please contact an Admissions Coach at 877-755-2787 or [info@apus.edu](mailto:info@apus.edu).

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	69
	Select one of the following concentrations:	18
	Flex (p. 441)	
	Business Intelligence (p. 442)	

Deep Learning (p. 442)	
Final Program Requirements	3
Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours)<sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours)</b>		
Select 2 courses from the following:		6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL114	Planning Your Future with Purpose in STEM
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3

COMM200	Public Speaking
ENGL101	Proficiency in Writing
ENGL115	Argumentation and Rhetoric
ENGL210	Introduction to Literature
ENGL220	Technical Writing
ENGL221	Scientific Writing
ENGL226	Effective Business Communication
HRMT101	Human Relations Communication
IRLS200	Information Literacy and Global Citizenship
ITCC231	Introduction to Information Technology Writing
MGMT100	Human Relations

**History (3 semester hours)**

Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	

HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH225	Calculus	3
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (69 semester hours)

Code	Title	Semester Hours
MATH210	Discrete Mathematics	3
MATH220	Linear Algebra	3
MATH226	Calculus II	3
MATH227	Calculus III	3
MATH240	Differential Equations	3
DATS200	Functional Methods and Coding	3
DATS201	Analytical Methods I	3
DATS211	Introduction to Data Science	3
DATS221	Exploratory Data Analysis	3
DATS225	Data Visualization	3
MATH302	Statistics	3
MATH328	Probability Theory with Applications	3
MATH340	Multivariate Statistics	3
MATH410	Design of Experiments	3
DATS301	Analytical Methods II	3
DATS311	Intermediate Data Science	3
DATS371	Fundamentals of Simulation	3



DATS411	Advanced Data Science	3
DATS442	Bayesian Methods (Bayesian Inference, Naïve Bays)	3
DATS443	Generalized Linear Equations Using R	3
STEM380	Coevolution of Society, Culture, and Technology	3
STEM471	Analytics, Algorithms, AI, and Humanity	3
Select 1 course from the following: <sup>1</sup>		3
DATS381	Behind the Data, Our values and beliefs	
DATS435	Optimization and Machine Learning	
DATS481	Introduction to Python	
DATS482	Python and Data Science	
Total Semester Hours		69

<sup>1</sup> Selected Upper Division Computer Science, Computer Technology and Business/Analytics Courses are also available with permission of Advisor.

You must choose a concentration for this degree program and may select from the Flex Concentration, the Concentration in Business Intelligence or the Concentration in Deep Learning.

## Flex Concentration (18 semester hours)

The Flex Concentration offers students breadth in data science. Students will learn foundational material in machine learning, sentiment analysis, advanced methods in data science, and simulation. This concentration is a good option for students intending to go onto a master's program in data science where they can pursue in-depth knowledge.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Conduct a variety of data analyses using appropriate tools and methods for specified problems or challenges.
- Explain why the method and tools selected to conduct an analysis are the best for that specific analysis.
- Develop and present final reports on data analyses.

## Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
DATS331	Machine Learning I	3
DATS332	Machine Learning II	3
DATS351	Sentiment Analysis	3
DATS373	Simulation Techniques	3
DATS401	Analytical Methods III	3
MATH330	Linear Optimization	3
Total Semester Hours		18

## Concentration in Business Intelligence (18 semester hours)

The Concentration in Business Intelligence is intended for students with professional interests in business analytics and prediction/optimization. The courses included in this concentration provide the foundation for this path. Students will study relevant aspects of business as well as data analysis tools and methods required to transform data into knowledge that supports actionable decision-making.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain how data is used to form knowledge in business applications.
- Describe the use of data analytics to generate descriptive and predictive analyses.
- Explain how optimization can be used to create regions of solutions for business problems.
- Evaluate risk associated with predictive analytics.

### Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
ACCT105	Accounting for Non Accounting Majors	3
BUSN100	Basics of Business	3
BUSN250	Analytics I	3
BUSN350	Analytics II	3
BUSN410	Critical Thinking Strategies for Business Decisions	3
Select 1 course from the following:		3
BUSN450	Advanced Analytics	
DATS465	Risk Modeling and Assessment	
Total Semester Hours		18

## Concentration in Deep Learning (18 semester hours)

The Concentration in Deep Learning first provides foundational knowledge. Probabilistic graphical models provide the basis for designing artificial neural networks. The tools and methods of machine learning covered continue developing foundational knowledge. Next, deep learning, that has grown from the study of artificial neural networks, is studied in detail. Last, students can choose to learn about advanced methods in data science or today's state-of-the-art programs in artificial neural networks, e.g. TensorFlow® by the Google Brain Team operated by Jupyter® notebooks in Python®.

*TensorFlow® is a registered trademark of Google, Inc.*

*Jupyter® is a registered trademark of NumFOCUS, Inc.*

*Python® is a registered trademark of Python Software Foundation.*

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Conduct analyses using appropriate machine learning tools.
- Design, develop, and utilize a variety of artificial neural networks including recurrent and convolutional networks.
- Explain the basic principles of deep learning, e.g. the use of multiple types of layers, optimization, and hyperparameters.

**Concentration Requirements (18 semester hours)**

Code	Title	Semester Hours
CSCI381	Machine Learning	3
CSCI386	Advanced Topics in Machine Learning	3
CSCI484	Introduction to Artificial Intelligence	3
CSCI486	Deep and Reinforcement Learning	3
DATS344	Probabilistic Graphical Models	3
Select 1 course from the following:		3
DATS401	Analytical Methods III	
DATS433	Artificial Neural Networks using TensorFlow (Recommended)	
Total Semester Hours		18

**Final Program Requirements (3 semester hours)**

Code	Title	Semester Hours
DATS499	Senior Capstone Project	3
Total Semester Hours		3

# Bachelor of Science in Environmental Science

The bachelor of science in environmental science provides scientific coursework in both the natural and social sciences while focusing on the complex relationship among science and public policy. Courses for this online bachelor's degree offer a fundamental understanding of environmental policy and analysis. The courses will also cover environment management issues, such as sustainability, the stewardship of natural resources, pollution management, fish and wildlife management, hazardous materials, and geographic information science (GIS).

This degree program is designed to aid students in developing the skills necessary to pursue various career paths, such as Environmental Protection Agency (EPA) inspector, environmental engineer, civil engineer, or urban or regional planner. In addition to the core scientific studies, this bachelor's degree will help students to improve their critical thinking, analytical skills, and communication skills, which are valuable assets in all industries.

Courses in this online degree are taught by expert practitioners. Many instructors are leaders in the field and hold positions at the U.S. Fish and Wildlife Service, Environmental Protection Agency, Bureau of Land Management, the Nature Conservancy, and other prominent government and nongovernment organizations.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate a solid foundation in the theory and application of the environmental sciences.
- Implement the scientific method and appropriate tools to investigate and solve problems.
- Apply critical thinking skills in assessing and evaluating problems.
- Communicate scientific knowledge to diverse audiences.
- Evaluate societal and cultural influences on environmental challenges within their historical context and their impacts on ecosystems, public health, productivity, and social and economic justice.
- Devise solutions to environmental issues that are science-based, ethical, and sustainable.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	44
	Select one of the following concentrations:	12
	General Concentration (p. 447)	
	Fish and Wildlife Management (p. 447)	
	Final Program Requirements	3
	Elective Requirements	31
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) <sup>1</sup>		
STEM270	Thinking and Acting Ethically	3

Select 1 courses from the following:

3

ARAB100	Arabic I
ARAB101	Arabic II
ARTH200	Art Appreciation
ARTH240	Survey of Photography
ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

STEM280	Exploring Society and Cultures via Science Fiction	3
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Select 1 course from the following:

3

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL114	Planning Your Future with Purpose in STEM
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography

HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL221	Scientific Writing	3
<b>History (3 semester hours)</b>		
STEM185	The History and Context of STEM	3
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH120	Introduction to Statistics (Preferred)	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
ERSC181	Introduction to Geology	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (44 semester hours)

Code	Title	Semester Hours
BIOL133	General Biology I with Lab	4
CHEM133	General Chemistry I with Lab	4
STEM100	Introduction to STEM Disciplines	3
EVSP201	Environmental Economics	3
MATH302	Statistics	3
EVSP309	Atmospheric Science	3
EVSP310	Water Science	3
EVSP311	Soil Science	3
EVSP312	Introduction to Sustainability	3
EVSP416	General Ecology	3

EVSP322	Remote Sensing and Geographic Information Systems	3
PHIL320	Environmental Ethics	3
EVSP411	Environmental Policy, Regulation, and Law	3
EVSP413	Environmental and Ecosystems Management	3
Total Semester Hours		44

Students must choose a concentration for this degree program and may select from a General Concentration or a Concentration in Fish and Wildlife Management.

## General Concentration Requirements (12 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

### Concentration Requirements (12 semester hours)

Code	Title	Semester Hours
EVSP316	U.S. Federal Environmental Organization	3
EVSP320	Energy and Resource Sustainability	3
EVSP321	Land Use and Planning	3
EVSP418	Green Infrastructure and Renewable Technologies	3
Total Semester Hours		12

## Concentration in Fish and Wildlife Management (12 semester hours)

Offers an overview of concepts and principles of fish and wildlife resource management. Examines the agencies responsible for resource management and the competencies of professional fish and wildlife managers. Management techniques and methods, public lands management, and the regulations, policies, and politics that influence U.S. fish and wildlife management are also covered.

NOTE: Students wishing to enroll in SCIN311, SCIN314, SCIN401, or SCIN402 for their concentration work MUST also take BIOL134 as a prerequisite. BIOL134 is NOT included in the BS Environmental Science major and is needed for these more specialized courses offered through the Natural Sciences program. This requirement cannot be waived. Please note that students can complete the Concentration in Fish and Wildlife Management without taking these specialized courses, but if these courses are desired the additional BIOL134 prerequisite must be completed as part of the student's elective hours.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Describe the fundamental concepts and principles of the management of fish and wildlife resources.
- Explain the impact of human activities on the survival and management of fish and wildlife populations.
- Identify the federal, state, and local agencies responsible for the management of fish and wildlife resources.
- List the competencies needed to become a professional fish or wildlife manager.
- Compare the effectiveness of fish and wildlife management techniques and methods.
- Explain the regulations, policies, and politics that influence the management of fish and wildlife in the U.S.

**Concentration Requirements (12 semester hours)**

Code	Title	Semester Hours
Select 4 courses from the following:		12
EVSP330	Fish and Wildlife Policies, Programs, and Issues	
EVSP341	Introduction to Wildlife Management	
EVSP342	Population Ecology	
EVSP417	Conservation Biology	
SCIN311	Fishery Biology	
SCIN314	Botany	
SCIN401	Mammalogy	
SCIN402	Ornithology	
Total Semester Hours		12

**Final Program Requirements (3 semester hours)**

Code	Title	Semester Hours
EVSP498	Senior Seminar in Environmental Science (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

**Elective Requirements (31 semester hours)**

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		31
Total Semester Hours		31



# Bachelor of Science in Esports

The B.S. in Esports provides students with in-depth knowledge of the esports ecosystem in order to prepare them for a variety of professional responsibilities in the esports and/or related industries. This program will develop students to be critical, reflective thinkers across a variety of topics and areas in esports. This degree program provides knowledge that can be applied to professional responsibilities in interscholastic or intercollegiate esports coaching, esports front office management, or esports media and communications management. Upon completing this degree program, students will have gained practical skills often required for entry-level esports or related responsibilities and/or advanced esports degree programs.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the impact of business principles on esports processes.
- Examine the application of ethical solutions in the esports industry.
- Apply management concepts associated with the operation of esports events and facilities.
- Examine the social and historical influences of esports on contemporary society.
- Develop a comprehensive understanding of the production of digital content for the esports industry.
- Implement strategies to support and accelerate the development of esports athletes at all levels.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	27
	Select one of the following concentrations:	18
	Esports Business Administration (p. 452)	
	Esports Coaching and Athlete Development (p. 453)	
	Final Program Requirements	3
	Elective Requirements	42
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
	Select 2 courses from the following:	6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	

FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL113	Planning Your Future with Purpose in Health Sciences
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying

RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		

Select 1 course from the following:

3

BIOL180	Introduction to Biology
BIOL181	Introduction to Human Anatomy and Physiology
CHEM180	Introduction to Chemistry
ERSC180	Introduction to Meteorology
ERSC181	Introduction to Geology
EVSP180	Introduction to Environmental Science
PHYS180	Introduction to Physics
SPST180	Introduction to Astronomy
STEM100	Introduction to STEM Disciplines

Total Semester Hours

30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (27 semester hours)

Code	Title	Semester Hours
ESPT101	Introduction to Esports	3
ESPT201	Contemporary Issues in Esports	3
ESPT205	The Business of Esports	3
ESPT210	Esports Event and Facility Management	3
ESPT310	Policy Regulations and the Esports Ecosystem	3
ESPT320	Esports Player Development	3
ESPT340	Esports Media and Production	3
ESPT498	Externship in Esports	6
Total Semester Hours		27

Students must choose a concentration for this degree program and may select from a Concentration in Esports Business or a Concentration in Esports Coaching and Athlete Development.

## Concentration in Esports Business Administration (18 semester hours)

The Esports Business Administration concentration prepares students for the business elements of the esports industry. Students will gain a foundational knowledge of traditional business practices while completing their degree in esports. This is ideal for students interested in a variety of business and management fields in and related to esports.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Demonstrate principles related to traditional business and their application to esports.
- Examine the impact of global business competencies to the esports industry.
- Develop a strategic plan for an esports business.

**Concentration Requirements (18 semester hours)**

Code	Title	Semester Hours
BUSN310	Business Theory	3
BUSN320	Principles of E Business	3
FINC400	Principles of Financial Management	3
INFO331	Management Information Systems	3
MGMT310	Principles and Theory of Management	3
MKTG201	Fundamentals of Marketing	3
Total Semester Hours		18

**Concentration in Esports Coaching and Athlete Development (18 semester hours)**

The Esports Coaching and Athlete Development concentration will help to prepare students for careers in esports performance and coaching. Students will gain an understanding of coaching methods across games and genres in esports, as well as how to optimize esports athlete performance through training techniques and conditioning practices.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Demonstrate a holistic understanding of the factors which affect esports athlete development.
- Assess the effectiveness of various coaching, player development, and training methodologies.
- Construct and execute effective performance plans for esports athletes and teams.

**Concentration Requirements (18 semester hours)**

Code	Title	Semester Hours
PBHE209	Wellness: Health Promotion and Disease Prevention	3
SPHE315	Training and Conditioning	3
SPHE318	Coaching Theory and Methodology	3
SPHE423	Advanced Strength and Conditioning	3
SPHE417	Leadership Concepts in Coaching	3
SPHE460	Business Aspects of Fitness and Wellness	3
Total Semester Hours		18

**Final Program Requirements (3 semester hours)**

Code	Title	Semester Hours
ESPT499	Seminar in Esports	3
Total Semester Hours		3

Elective Requirements (42 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		42
Total Semester Hours		42

# Bachelor of Science in Fire Science Management

The Bachelor of Science in Fire Science Management provides the principles, theory, and practices associated with leading-edge fire science and management issues associated with tactical fire operations, fire safety, firefighting leadership, and community fire issues, among others. This online bachelor’s degree offers you a comprehensive education in fire behavior, suppression methods, protection, safety, and prevention, along with an emphasis on emergency and disaster management and response. This degree program is taught by highly credentialed and experienced instructors, many who hold key positions in government agencies or public safety organizations.

The mission of the Bachelor in Fire Science Management program is to help prepare students at the journeyman level by providing an in-depth understanding of the theories and best practices utilized in fire services, both prevention and protection, and enabling graduates to engage successfully with the community to achieve fire prevention goals and to become a leader in fire protection and response activities.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Analyze the current and historical strategies, practices, and policies that guide the modern field of fire science.
- Demonstrate the role of fire science personnel in leading, managing, and collaborating with colleagues, subordinates, constituents, and the community.
- Apply theory and practical methods to issues in fire science.
- Summarize the methods and resources needed to effectively manage fire services.
- Examine assessment and planning tactics to improve organization and community risk management for fire services.
- Describe strategies and methods to accomplish fire science operations.
- Differentiate the various practices involved in fire science, their fundamental scientific principles, and their associated mitigation and response strategies.
- Interpret the legal and regulatory duties and responsibilities that have an impact on the fire science field.

## Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		66
Final Program Requirements		3
Elective Requirements		21
Total Semester Hours		120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	

ARTH200	Art Appreciation
ARTH240	Survey of Photography
ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>**

Select 2 courses from the following:

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL115	Planning Your Future with Purpose in Security & Global Studies
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature



POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL115	Argumentation and Rhetoric	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	

PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (66 semester hours)

Code	Title	Semester Hours
EDMG220	Emergency Planning	3
EDMG230	Emergency and Disaster Incident Command	3
FSMT102	Fire Behavior and Combustion	3
FSMT188	Fire Prevention	3
FSMT201	Fire Protection Systems	3
FSMT210	Fundamentals of Fire Protection	3
FSMT281	Principles of Fire and Emergency Services Safety and Survival	3
FSMT287	Fire Protection in Building Construction	3
FSMT288	Community Risk Reduction for the Fire and Emergency Services	3
FSMT289	Fire Protection Hydraulics and Water Supply	3
SSGS300	Research Design and Methods	3
EDMG330	Managerial Issues in Hazardous Materials	3
FSMT311	Fire Dynamics	3
FSMT320	Fire Protection Structure and System Design	3
FSMT321	Community Fire Mitigation and Protection	3
FSMT340	Incendiary Fire Analysis and Investigation	3
FSMT362	Fire Administration and Finance	3
FSMT405	Fire Safety and Risk Regulation	3
FSMT410	Fire Regulation, Policy, and Law	3
FSMT475	Applications of Fire Research	3
HRMT407	Human Resource Management	3
PSYC431	Psychology of Disaster	3
Total Semester Hours		66

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
FSMT498	Senior Seminar in Fire Science (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (21 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		21
Total Semester Hours		21

# Bachelor of Science in Health Information Management

Our Bachelor of Science in Health Information Management (HIM) helps to provide you with the knowledge and skills often required as a health information administrator in a variety of settings such as hospitals, insurance companies, and government agencies. With a focus on operations management, this online bachelor's degree utilizes a multidisciplinary approach to its curriculum.

Billions of dollars have been invested in newer health information technology, leading to a greater need for trained, educated HIM professionals knowledgeable in data management, information policy, finance, information systems, and administrative and clinical knowledge.

The Bachelor of Science in Health Information Management is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM® (<http://www.cahiim.org>)).

Note: Some courses in the program require you to install software for virtual online lab accessibility. The cost of software and/or lab equipment is not covered under the undergraduate book grant (<http://www.amu.apus.edu/tuition-and-financing/policies/book-grant.htm>) and will need to be purchased when you register for class. Please see the course materials section of those courses for more information prior to registration.

Please be advised that due to the COVID-19 outbreak, many hospitals are not allowing internship placements at this time. We are making you aware as this may adversely impact your time to completion. Please speak with the practicum placement coordinator if you have questions by emailing [amignott@apus.edu](mailto:amignott@apus.edu).

CAHIIM® is a registered trademark of the Commission on Accreditation for Health Informatics and Information Management Education.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Assess organizational compliance with state and federal governmental regulations, accreditation, licensure and certification requirements.
- Construct accurate quantitative evaluations related to health care statistics, financial management, and accounting standards and best practices.
- Analyze legal and ethical concerns related to confidentiality, security, and privacy issues in the management of health information in the digital world.
- Implement supervisory and management skills across business functions.
- Demonstrate knowledge of specialized medical language, classification systems, and reimbursement methodology common in the field of health information management.
- Synthesize material on health information management from multiple competing sources.
- Summarize the significance of being a health information administrator in terms of challenges, trends, and developments in a social context.
- Identify significant public policy issues in health information management.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	67
	Final Program Requirements	3
	Elective Requirements	20
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	

COLL113	Planning Your Future with Purpose in Health Sciences
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3

Select 1 course from the following: 3

COMM200	Public Speaking
ENGL101	Proficiency in Writing
ENGL115	Argumentation and Rhetoric
ENGL210	Introduction to Literature
ENGL220	Technical Writing
ENGL221	Scientific Writing
ENGL226	Effective Business Communication
HRMT101	Human Relations Communication
IRLS200	Information Literacy and Global Citizenship
ITCC231	Introduction to Information Technology Writing
MGMT100	Human Relations

**History (3 semester hours)**

Select 1 course from the following: 3

HIST101	American History to 1877
HIST102	American History since 1877
HIST111	World Civilization before 1650
HIST112	World Civilization since 1650
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877
HIST222	African-American History since 1877

HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH120	Introduction to Statistics	3
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (67 semester hours)

Code	Title	Semester Hours
HIMA100	Medical Terminology	3
HIMA110	Introduction to Health Information Management	3
HIMA200	Legal Aspects of Health Information Management	3
HIMA220	Classification Systems I	3
HIMA230	Classification Systems II	3
HIMA240	Healthcare Reimbursement Methodologies	3
HIMA250	Healthcare Delivery Systems and Documentation	3
ACCT105	Accounting for Non Accounting Majors	3
BIOL201	Principles of Anatomy and Physiology with Lab	4
SCIN255	Principles of Pathophysiology and Pharmacology	3
HIMA310	Electronics Health Records Fundamentals	3
HIMA350	Compliance	3
HIMA360	Health Informatics Project and Enterprise Management	3
HIMA410	Informatics and Analytics	3
HIMA460	Healthcare Data Management and Governance	3
FINC300	Foundations of Financial Management	3
HIMA497	Health Information Management Practicum	3
HRMT407	Human Resource Management	3
ISSC361	Information Assurance	3
ISSC422	Information Security	3
MGMT312	Leadership & Motivation	3

MGMT414	Strategic Planning	3
Total Semester Hours		67

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
HIMA499	Senior Seminar in Health Information Management (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

### Elective Requirements (20 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		20
Total Semester Hours		20



# Bachelor of Science in Healthcare Administration

The Bachelor of Science in Healthcare Administration helps to prepare students to meet the challenging and changing demands of leadership within healthcare organizations, systems, and facilities. Students will gain knowledge and practical skills from a variety of disciplines; including healthcare, public health, health information management, and business. Skills in communication, organizational management, leadership, critical thinking, and practical decision making are pertinent competencies which apply to the healthcare administration field. The healthcare administration degree program consists of core courses in the key areas of accounting, legal and ethical principles, reimbursement methodologies, delivery systems and documentation, economics and finance, compliance, quality and safety, research management, and strategic planning and marketing, and informatics and analysis. This degree is designed for students with an interest in healthcare operations within healthcare facilities and systems.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes::

- Evaluate and develop solutions and strategies for complex problems within the healthcare industry.
- Analyze healthcare issues and policies and develop strategies for maintaining quality, safety, and value of healthcare programs.
- Implement process improvement tools to identify problems and improve processes within healthcare programs.
- Apply ethical standards for decision-making in healthcare organizations.
- Assess contemporary and future marketing strategies to achieve organizational goals.
- Assess technologies and healthcare informatics for implementation in healthcare organizations.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	48
	Select one of the following concentrations:	15
	Addiction Treatment Facility Management (p. 469)	
	Correctional Healthcare Facility Management (p. 469)	
	Emergency Management (p. 470)	
	Leadership (p. 470)	
	Mental Healthcare Facility Management (p. 471)	
	Final Program Requirements	3
	Elective Requirements	24
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
Select 2 courses from the following:		6
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	

COLL113	Planning Your Future with Purpose in Health Sciences	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	

HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 (<https://catalog.apus.edu/search/?P=ENGL101>) - Proficiency in Writing or ENGL110 (<https://catalog.apus.edu/search/?P=ENGL110>) - Making Writing Relevant.

## Major Required (48 semester hours)

Code	Title	Semester Hours
PBHE111	Introduction to Health Care Administration	3
PBHE112	Health Services Organization	3
PBHE215	Healthcare: Moral Issues	3
HIMA240	Healthcare Reimbursement Methodologies	3
HIMA250	Healthcare Delivery Systems and Documentation	3
HCAD300	Legal and Ethical Principles in Healthcare	3
HCAD301	Healthcare Principles and Policies	3
HCAD302	Healthcare Quality and Safety	3
MGMT311	Organizational Behavior	3
PBHE315	Health Economics and Finance	3
HCAD400	Strategic Planning and Marketing in Healthcare	3
HCAD401	Finance and Budgeting for Healthcare Administrators	3
HRMT407	Human Resource Management	3

HIMA410	Informatics and Analytics	3
HIMA460	Healthcare Data Management and Governance	3
PBHE427	Epidemiology	3
Total Semester Hours		48

Students must choose a concentration for this degree program and may select from a Concentration in Addiction Treatment Facility Management, Concentration in Correctional Healthcare Facility Management, Concentration in Emergency Management, Concentration in Leadership, or Concentration in Mental Healthcare Facility Management.

## Concentration in Addiction Treatment Facility Management (15 semester hours)

Focuses on theories and necessary skills to successfully manage an outpatient addiction treatment facility. Addiction and substance abuse will be explored. Emphasis will also be placed on the business skills that are essential for a leader in this setting including: leadership and motivation, dispute resolution, strategic planning, and the principles of sales.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the reasons people commonly abuse substances
- Evaluate current treatment modalities & report on their effectiveness
- Examine various leadership approaches and distinguish the purposes for each.
- Discuss the different types of sales presentations and what goes into their planning

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
PSYC324	Psychology of Addiction & Substance Abuse	3
HRMT411	Dispute Resolution	3
MGMT312	Leadership & Motivation	3
BUSN310	Business Theory	3
MKTG301	Principles of Sales	3
Total Semester Hours		15

## Concentration in Correctional Healthcare Facility Management (15 semester hours)

Focuses on theories and intricacies involved with managing a healthcare program in a correctional setting. Corrections and incarceration, criminology, and ethics in criminal justice will be explored. The psychology of addiction and substance abuse will also be discussed.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Compare and contrast state and federal correction organization and administration
- Analyze the cost and health issues associated with older inmates
- Compare and contrast biological and psychological theories of crime.
- Demonstrate an in-depth knowledge of budget preparation, approval, and execution processes.
- Outline strategies employed by leaders in criminal justice organizations to effectively prevent ethics violations.

**Concentration Requirements (15 semester hours)**

Code	Title	Semester Hours
CMRJ316	Corrections and Incarceration	3
PSYC324	Psychology of Addiction & Substance Abuse	3
CMRJ303	Criminology	3
BUSN310	Business Theory	3
CMRJ308	Ethics in Criminal Justice	3
Total Semester Hours		15

**Concentration in Emergency Management (15 semester hours)**

Focuses on theories and necessary skills to be a successful emergency manager within the healthcare leader role. Emergency planning and disaster are explored. Special operations in emergency medical services and specific techniques to control disaster, such as quarantine, are also discussed.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Evaluate theoretical, historical, and contemporary issues associated with quarantine as a public health and safety measure.
- Analyze specialized issues associated with emergency medical services in mass casualty, biological, chemical and radiological incidents.
- Define and discuss the roles and responsibilities of the Incident Command System used in crises, disasters, and emergency management response systems.
- Examine media management during local/national disasters and the levels of governmental response.

**Concentration Requirements (15 semester hours)**

Code	Title	Semester Hours
EDMG220	Emergency Planning	3
EDMG230	Emergency and Disaster Incident Command	3
EDMG420	Risk Communications	3
PBHE413	Special Operations in Emergency Medical Services	3
PBHE426	Quarantine	3
Total Semester Hours		15

**Concentration in Leadership (15 semester hours)**

Focuses on theories and necessary skills to prepare the successful manager to lead in today's evolving healthcare organization. Leadership and motivation, dispute resolution, and organizational change will be explored. Additionally, management ethics and virtual management will be discussed.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Appraise the various models and approaches to organizational change.
- Assemble Leadership skills required in a virtual team and challenges faced by Virtual team leaders as well as tips, techniques and best practices for leading high performance.

- Analyze and critique leadership and motivation case studies using relevant models, theories, concepts, and terms.
- Evaluate the various leadership skills necessary at all stages of organizational change.
- Examine the application of leadership concepts and ethical theories in the business environment.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
HRMT411	Dispute Resolution	3
ITMG421	Virtual Management	3
MGMT312	Leadership & Motivation	3
MGMT313	Organizational Change	3
MGMT314	Management Ethics	3
Total Semester Hours		15

### Concentration in Mental Healthcare Facility Management (15 semester hours)

Focuses on theories and necessary skills to successfully manage an outpatient mental healthcare facility. Addiction and substance abuse, personality theories, and child welfare and advocacy will be explored. Dispute resolution and leadership and motivation will also be discussed.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze how substances affect the mind and body and society
- Analyze the reasons people commonly abuse substances
- Examine the major theories of human personality
- Analyze and critique leadership and motivation case studies using relevant models, theories, concepts, and terms.
- Examine various leadership approaches and distinguish the purposes for each.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
PSYC324	Psychology of Addiction & Substance Abuse	3
PSYC221	Personality Theories	3
CHFD230	Child Welfare and Advocacy	3
HRMT411	Dispute Resolution	3
MGMT312	Leadership & Motivation	3
Total Semester Hours		15

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
HCAD498	Senior Seminar in Health Sciences (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (24 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		24
Total Semester Hours		24



# Bachelor of Science in Information Technology

The Bachelor of Science in Information Technology is designed to produce academically sound and functionally competent IT professionals who can build and deploy networks, databases, web properties, and other IT-related assets. Core programming skills along with problem-solving skills and techniques are offered to help bring you a well-rounded technology education. Additional concentrations allow you to choose from dozens of specific courses in order to specialize in the IT area of interest for you. IT personnel are needed in all industries, and this online bachelor's program helps prepare you for a variety of possible careers including programmer, systems analyst, project manager, web developer, database designer, and more.

Coursework in this program also meets various industry certifications including Certified Internet Webmaster (CIW®). Please view course descriptions for complete details.

CIW® is a registered trademark of Certification Partners, LLC.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Assess the significance of the system development life cycle and its effectiveness.
- Build a software program with software quality and reusability using the principles and concepts of Object-Oriented Programming (OOP).
- Design a network that incorporates the principles of network technologies.
- Design a database that applies the fundamentals of database management systems.
- Analyze the computer and network security issues, policies, proactive measures, and software tools to counter security breaches and threats.
- Apply industry driven techniques for designing, developing, deploying, and securing enterprise applications on the desktop and on the Web.
- Demonstrate use of analytical, logical, and critical thinking to design, develop, and deploy effective Information Technology solutions.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	42
	Select one of the following concentrations:	15
	General Concentration (p. 476)	
	Programming (p. 476)	
	Programming Full Stack/Python® Visualization (p. 477)	
	Project Management (p. 477)	
	Final Program Requirements	3
	Elective Requirements	30
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours)</b>		
STEM270	Thinking and Acting Ethically	3
Select 1 course from the following: <sup>1</sup>		3
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
<b>Civics, Political and Social Sciences (6 semester hours)</b>		
STEM280	Exploring Society and Cultures via Science Fiction	3
Select 1 courses from the following: <sup>1</sup>		3
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	

CHFD220	Human Sexuality	
COLL114	Planning Your Future with Purpose in STEM	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ITCC231	Introduction to Information Technology Writing	3
<b>History</b>		
STEM185	The History and Context of STEM	3
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
ENTD200	Fundamentals of Programming	3
<b>Natural Sciences (3 semester hours)</b>		
STEM100	Introduction to STEM Disciplines	3
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (42 semester hours)

Code	Title	Semester Hours
HRMT101	Human Relations Communication	3
ITCC121	Introduction to Computer Science	3
ENTD120	User Experience I	3
WEBD122	Introduction to Web Analytics	3
WEBD121	Web Development Fundamentals	3
ENTD220	Introduction to Python®	3
ISSC231	Networking Concepts	3
INFO222	Database Concepts	3

ISSC290	Securing Databases	3
ENTD268	Information System Design	3
ENTD278	Object Oriented Design	3
ISSC297	Securing Applications	3
STEM380	Coevolution of Society, Culture, and Technology	3
Select 1 course from the following:		3
STEM470	Cybersecurity, Surveillance, Privacy and Ethics	
STEM471	Analytics, Algorithms, AI, and Humanity	
Total Semester Hours		42

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Programming, Concentration in Programming Full Stack/Python® Visualization, or Concentration in Project Management.

## General Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
WEBD221	Intermediate Web Development	3
WEBD241	Web Development Using JavaScript®	3
INFO331	Management Information Systems	3
ISSC422	Information Security	3
ISSC221	Intermediate Computer Systems	3
Total Semester Hours		15

## Concentration in Programming (15 semester hours)

The purpose of this concentration is to build a stronger foundation in Object Oriented Programming using Java programming. As the technology field shifts, the curriculum must embrace the changes in technology to appropriately equip students with marketable skills. There has been a substantial growth in application software development as companies seek customized applications to address their requirements. According to the U.S. Bureau of Labor Statistics, employment of computer programmer is expected to grow by eight percent between now and the year 2022. Java is one of the most highly recommended programming languages for students to learn. It serves as a primary language for building mobile apps, games, and enterprise software and works across multiple platforms.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain the principles and practices applicable to programming in Java.
- Analyze guidelines and techniques associated with object-oriented programming using Java.
- Summarize the growing trends of software development and how it is transforming businesses.
- Apply object-oriented programming using Java programming language.
- Build software programs using Java programming language.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ENTD261	Scripting Languages for the Administrator	3
ENTD320	Intermediate Python® Programming	3

ENTD381	Object Oriented Programming With Java®	3
ENTD481	Enterprise Development using J2EE	3
ENTD411	Application Development	3
Total Semester Hours		15

## Concentration in Programming Full Stack/Python® Visualization (15 semester hours)

The Programming Full Stack/Python® Visualization concentration is designed to help equip students with the required skills and knowledge for proficiency in both full-stack web development and data visualization using Python. This concentration provides a well-rounded learning experience that covers both front-end and back-end web development, along with the techniques and tools needed to create effective visual representations of data.

Courses in this concentration offer an in-depth understanding of a multi-tier architecture approach to applying more productive skills and techniques when replacing or upgrading independent tiers within a system without impacting other critical layers. Students will develop the knowledge and skills typically used to redevelop or modernize various layers associated with the user interface, business logic, and data storage. Students will also learn how to optimize front-end web server requirements and address back-end database or data storage concerns efficiently while also maintaining presentation, application processing, and data management functions.

*Python® is a registered trademark of the Python Software Foundation.*

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Explain full-stack web development theories, principles, and techniques
- Analyze data using Python's data manipulation libraries
- Create visually appealing charts, graphs, and dashboards to present data
- Build dynamic and interactive web applications that deliver seamless user experience

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
WEBD221	Intermediate Web Development	3
WEBD241	Web Development Using JavaScript®	3
WEBD343	jQuery	3
ENTD320	Intermediate Python® Programming	3
INFO400	MongoDB® and Python®	3
Total Semester Hours		15

## Concentration in Project Management (15 semester hours)

This concentration addresses the processes and goals of project management. It explores realistic application of project management process using project management strategies, tactics, and software. Other vital concepts and principles, such as negotiation techniques affecting how governments and organizations think about project management, are also examined. This concentration also expands on the processes and goals of negotiation. It explores a basic understanding of negotiation and the fundamentals of reaching an agreement while maintaining mutual gains. It helps you become more effective in delivering win-win agreements and distinguishing the differences between integrative negotiation and distributive bargaining when selecting the appropriate strategy for a project. This concentration builds your skills and abilities to initiate, plan, execute, monitor, control, and close projects. The concentration also focuses on quality delivery and the monitoring of risks in government and private sector contracting and acquisition activities.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify the models and strategies of project management.
- Explain the use of project management tools in an organization.
- Interpret the different techniques of project management.
- Apply effective strategies of project management in negotiating.

## Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ITMG221	IT Project Management	3
ITMG223	IT Project Management Using Microsoft Project®	3
HRMT300	Negotiation I	3
DEFM200	Fundamentals of Contracting and Acquisition	3
ITMG421	Virtual Management	3
Total Semester Hours		15

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
INFO498	Information Technology: Capstone (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant and Senior Standing and completion of all major courses prior to enrollment.

## Elective Requirements (30 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		30
Total Semester Hours		30

# Bachelor of Science in Information Technology Management

The Bachelor of Science in Information Technology Management focuses on the problem-solving skills and techniques needed to provide computer-based solutions to practical problems. You'll be taught how to develop and communicate technological solutions, manage systems operations, improve and evaluate products, provide customer support, and facilitate technology transfer in both the public and private sectors. You'll also learn to apply ethical judgments and critical thinking to assess the impact of information technology on contemporary social, political, and economic issues. This bachelor's degree program helps to prepare you for a broad range of IT possibilities often required in a number of fields.

Some courses in this program meet the topical requirements for CompTIA Project+® Certification, the Microsoft Office Word® 2013 Certification, and the Internet Business Foundations curriculum of the CIW® Foundations Certification.

*CompTIA Project+® is a registered trademark of the Computing Technology Industry Association.*

*Microsoft Office Word® is a registered trademark of Microsoft Corporation.*

*CIW® is a registered trademark of Certification Partners, LLC.*

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Develop key strategies and tactics using the theories, practices, and tools of information technology and business enterprise management.
- Apply effective strategies to address user needs.
- Demonstrate understanding of ethical practices, communication and teamwork as a professional in the technology industry.
- Demonstrate use of computer applications to enhance productivity.
- Apply industry driven techniques for initiating, planning, executing, monitoring, and controlling projects.
- Build business plans and projects with an understanding of principles and practices of business solutions, e-commerce, software development, database systems, networks, information systems, information security, and information technology project planning.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	42
	Select 1 of the following concentrations:	15
	General (p. 481)	
	Cybersecurity Management (p. 481)	
	Negotiation (p. 482)	
	Final Program Requirements	3
	Elective Requirements	30
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours)</b>		
PHIL200	Introduction to Ethics	3
STEM270	Thinking and Acting Ethically	3
<b>Civics, Political and Social Sciences (6 semester hours)</b>		
COMM211	Social Media and Society	3
STEM280	Exploring Society and Cultures via Science Fiction	3
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ITCC231	Introduction to Information Technology Writing	3
<b>History (3 semester hours)</b>		
STEM185	The History and Context of STEM	3
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH110	College Algebra	3
<b>Natural Sciences (3 semester hours)</b>		
STEM100	Introduction to STEM Disciplines	3
Total Semester Hours		30

### Major Required (42 semester hours)

Code	Title	Semester Hours
ITCC121	Introduction to Computer Science	3
ITCC200	Application Software Integration	3
WEBD122	Introduction to Web Analytics	3
ENTD200	Fundamentals of Programming	3
MGMT100	Human Relations	3
INFO331	Management Information Systems	3
BUSN320	Principles of E Business	3
ITMG221	IT Project Management	3
WEBD321	Web eCommerce Development	3
INFO222	Database Concepts	3
ISSC231	Networking Concepts	3
ISSC363	IT Security: Risk Management	3
STEM380	Coevolution of Society, Culture, and Technology	3
Select 1 course from the following:		3
STEM470	Cybersecurity, Surveillance, Privacy and Ethics	



STEM471	Analytics, Algorithms, AI, and Humanity	
Total Semester Hours		42

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Cybersecurity Management, or a Concentration in Negotiation.

## General Concentration (15 semester hours)

This concentration expands on the processes and goals of project management; it explores realistic application of Project Management tools using MS Project software, contemporary internet topics associated with project management, cyberlaw and privacy in a digital age, and vital components of ethics affecting how governments and organizations think about project management. This concentration builds your skills and abilities to initiate, plan, execute, monitor, control, and close projects, while producing management quality and monitoring risks.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify the models and strategies of project management.
- Explain the use of project management tools in an organization.
- Interpret the different techniques of project management.
- Apply effective strategies of project management.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ITMG223	IT Project Management Using Microsoft Project®	3
ITMG371	Contemporary Internet Topics	3
ITMG281	Law, Privacy, and Digital Data	3
ITMG421	Virtual Management	3
ITMG481	Ethics in Information Technology	3
Total Semester Hours		15

## Concentration in Cybersecurity Management (15 semester hours)

This concentration expands on the processes and goals of cybersecurity management; it explores basic understanding of information security, information assurance, legal issues, and vital components of cybercrimes affecting how governments and organizations think about and manage information security. The course provides you industry-based cybersecurity management strategies, techniques, guidelines, procedures and recommendations. It positions you to manage information technology operations more effectively.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify the models and strategies used in cybersecurity management.
- Explain the need of effective security measures in an organization.
- Analyze the differences between information security and information assurance.
- Develop effective cybersecurity management strategies to address cyber crimes.

**Concentration Requirements (15 semester hours)**

Code	Title	Semester Hours
ISSC422	Information Security	3
ISSC361	Information Assurance	3
ISSC331	Legal Issues in Information Security	3
ISSC451	Cybercrime	3
ISSC452	Cybersecurity	3
Total Semester Hours		15

**Concentration in Negotiation (15 semester hours)**

This concentration expands on the processes and goals of negotiation; it explores basic understanding of negotiation, supply chain risk management, fundamentals of contracting and acquisition, and vital components of cost analysis and negotiation techniques influencing how governments and organizations think about bargaining and integrative negotiation. It helps you become more effective in delivering win-win agreements and distinguish the differences between integrative negotiation and distributive bargaining.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Identify the models and strategies for reaching resolution of conflicts.
- Explain the use of negotiation process in an organization.
- Analyze the differences between distributive bargaining and Integrative Negotiation.
- Interpret the different forms of negotiation and conflict resolution methods.
- Develop effective strategies to manage negotiations within relationships.
- Apply negotiation-based decisions to facilitate successful results.

**Concentration Requirements (15 semester hours)**

Code	Title	Semester Hours
HRMT300	Negotiation I	3
HRMT301	Negotiation II	3
HRMT411	Dispute Resolution	3
DEFM200	Fundamentals of Contracting and Acquisition	3
DEFM420	Cost Analysis and Negotiation Techniques	3
Total Semester Hours		15

**Final Program Requirements (3 semester hours)**

Code	Title	Semester Hours
ITMG498	IT Management: Senior Seminar (to be taken as the last course before graduation)	3
Total Semester Hours		3

Elective Requirements (30 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		30
Total Semester Hours		30

# Bachelor of Science in Legal Studies

The Bachelor of Science in Legal Studies offers in-depth knowledge of the U.S. court system, legal writing and research, legal practice, and various types of law, while emphasizing governance, civil and criminal processes, and the theory and philosophy of justice. This degree will aid you in doing your part to help solve aspects of the complex societal challenges associated with the public’s ability to access justice by providing a broad understanding of law and the legal field. By equipping you for ethical service and leadership, the knowledge gained from this degree is often required in environments such as law firms, corporations, and local and national government agencies.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Appraise the merits of legal research and writing skills as applied in realistic contexts.
- Differentiate factual, conceptual and procedural patterns through the use of critical thinking and legal analytical skills.
- Collaborate on finding legal solutions with technology.

## Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		24
Select one of the following concentrations:		24
General Concentration (p. 486)		
Criminal Law Support (p. 486)		
Legal Communications (p. 487)		
Legal Data Analytics (p. 488)		
Legal Data Security (p. 488)		
Legal Entrepreneurism (p. 489)		
Legal Ethics (p. 489)		
Legal Office Administration (p. 490)		
Final Program Requirements		3
Electives Requirements		39
Total Semester Hours		120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours) <sup>1</sup>		
PHIL101	Introduction to Philosophy	3
PHIL110	Critical Thinking	3
Civics, Political and Social Sciences (6 semester hours) <sup>1</sup>		
POLS210	American Government I	3

SOCI212	Social Problems	3
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL115	Argumentation and Rhetoric	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (24 semester hours)

Code	Title	Semester Hours
ENGL101	Proficiency in Writing	3
LSTD204	Introduction to the Courts	3
LSTD205	Legal Research and Writing	3
LSTD207	Civil Practice and Procedure	3
LSTD210	Legal Ethics	3
LSTD211	Introduction to Legal Technology	3
LSTD301	Constitutional Law	3
LSTD303	Family Law	3
Total Semester Hours		24

You must choose a concentration for this degree program and may select from the General Concentration, Concentration in Criminal Law Support, Concentration in Legal Communications, Concentration in Legal Data Analytics, Concentration in Legal Data Security, Concentration in Legal Entrepreneurism/Small Business Management, Concentration in Legal Ethics, or Concentration in Legal Office Administration.

## General Concentration (24 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
Select 8 courses from the following:		24
LSTD209	Sports Law, Risk, and Regulation	
HOSP204	Introduction to Hotel and Restaurant Law	
BUSN311	Law and Ethics in the Business Environment	
EVSP411	Environmental Policy, Regulation, and Law	
HOSP302	Hospitality Law	
ITMG281	Law, Privacy, and Digital Data	
LSTD304	Military Law	
LSTD306	International Law	
LSTD401	Maritime Law	
LSTD402	Immigration Law and Policy	
LSTD453	Evidence	
POLS410	Public Policy	
SOCI422	Sociology of the Law	
Total Semester Hours		24

## Concentration in Criminal Law Support (24 semester hours)

This 24-semester-hour concentration provides a comprehensive conceptual and skills-based exposure to the substantive law, ethics, and procedures needed to effectively assist lawyers in preparing for and presenting legal cases before criminal courts.\*

\* Practice of law is defined by state bar associations. Students must check with their respective state bar associations to learn more about attorney and non-lawyer legal professional licensing requirements.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Explore and react appropriately to a range of realistic criminal law contexts.
- Differentiate the factual, conceptual, ethical, and procedural patterns relating to criminal law matters through the application of critical thinking and legal analytical skills.
- Use technology to find legal solutions to criminal law-related challenges.
- Gain skills often needed to competently and ethically support lawyers in criminal law-related matters.

## Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
CMRJ201	Criminal Justice Administration	3
LSTD203	Criminal Law and Procedure for the Paralegal	3
LSTD302	Criminal Law	3
LSTD201	Litigation	3
LSTD300	Administrative Law and Policy	3
CMRJ101	Evidence and Procedures	3
LSTD453	Evidence	3
LSTD454	Legal Technology: eDiscovery	3
Total Semester Hours		24

## Concentration in Legal Communications (24 semester hours)

This 24-semester-hour concentration provides a comprehensive conceptual and skills-based exposure to the substantive legal and communications-related topics, ethics, and procedures needed to effectively assist lawyers in their public communications.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Communicate with the public in multiple ways about legal contexts.
- Differentiate factual, conceptual, ethical, and procedural patterns relating to legal matters through the use of critical thinking and legal analytical skills.
- Use technology to find public communication-related solutions to legal challenges.
- Gain skills often needed to competently and ethically deliver public communications about a variety of legal matters.

## Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
COMM200	Public Speaking	3
COMM280	Ethics in Communication	3
COMM300	Communication Research Skills	3
COMM350	Journalism	3
COMM351	Strategic Communication	3
MKTG304	Public Relations	3

COMM370	Situational Communication	3
COMM380	Communication of Listening	3
Total Semester Hours		24

## Concentration in Legal Data Analytics (24 semester hours)

This 24-semester-hour concentration provides a comprehensive conceptual and skills-based exposure to the substantive legal and business concepts, ethics, and procedures needed to effectively assist lawyers in understanding and maximizing the power of their data.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Scrutinize legal data in multiple ways to maximize its use in appropriate legal and business ways.
- Differentiate factual, conceptual, ethical, and procedural patterns relating to legal data through the use of critical thinking and legal analytical skills.
- Use technology to find solutions to challenges associated with legal data.
- Gain skills often needed to competently and ethically work with offices that handle legal data.

### Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
BUSN250	Analytics I	3
BUSN311	Law and Ethics in the Business Environment	3
BUSN330	Fundamentals of Business Analysis I	3
BUSN331	Fundamentals of Business Analysis II	3
BUSN336	Strategic Policy Decision-Making	3
BUSN350	Analytics II	3
BUSN450	Advanced Analytics	3
ITMG481	Ethics in Information Technology	3
Total Semester Hours		24

## Concentration in Legal Data Security (24 semester hours)

This 24-semester-hour concentration provides a comprehensive conceptual and skills-based exposure to the substantive legal and business concepts, ethics, and procedures needed to effectively assist lawyers in protecting their data, including that which belongs to their clients.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Scrutinize legal data in multiple ways to protect its use in appropriate legal and business ways.
- Differentiate factual, conceptual, ethical, and procedural patterns relating to legal data through the use of critical thinking and legal analytical skills.
- Use technology to find solutions to challenges associated with legal data.
- Gain skills often needed to competently and ethically protect legal data.



**Concentration Requirements (24 semester hours)**

Code	Title	Semester Hours
INFO222	Database Concepts	3
ISSC231	Networking Concepts	3
ISSC290	Securing Databases	3
ISSC331	Legal Issues in Information Security	3
ISSC361	Information Assurance	3
ISSC363	IT Security: Risk Management	3
ISSC421	Computer and Network Security	3
ITMG481	Ethics in Information Technology	3
Total Semester Hours		24

**Concentration in Legal Entrepreneurism (24 semester hours)**

This 24-semester-hour concentration provides a comprehensive conceptual and skills-based exposure to the substantive legal and business concepts, ethics, and procedures needed to effectively operate a business to help create new solutions to challenges impacting the legal field.

**Objectives**

Upon successful completion of this concentration, the student will be able to:

- Explore innovative business concepts to try to solve issues related to society's inability to access justice when they need it.
- Differentiate factual, conceptual, ethical, and procedural patterns relating to legal and business challenges through the use of critical thinking and legal analytical skills.
- Use technology to find solutions to challenges associated with legal entrepreneurship.
- Gain skills often needed to competently and ethically try to help solve at least some portion of the access-to-justice problem.

**Concentration Requirements (24 semester hours)**

Code	Title	Semester Hours
BUSN311	Law and Ethics in the Business Environment	3
ENTR421	The Value of Networking	3
ENTR150	Idea Generation	3
ENTR215	Innovation Design and Prototyping	3
ENTR300	Foundations of Entrepreneurship	3
ENTR311	Business Plan Foundations	3
ENTR320	Practical Law for the Entrepreneur	3
LSTD212	Basic Contracts Law	3
Total Semester Hours		24

**Concentration in Legal Ethics (24 semester hours)**

Students in this concentration learn the substantive law and procedures needed to effectively assist lawyers in making ethical decisions on behalf of their clients. The same knowledge and skills can support those students desiring to become non-lawyer legal professionals who are authorized to act independently of lawyers.\* It also offers students opportunities to practice relevant skills in realistic scenarios.

- \* Practice of law is defined by state bar associations. Students must check with their respective state bar associations to learn more about attorney and non-lawyer legal professional licensing requirements

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Explore and react appropriately to a range of realistic legal contexts that involve ethical dilemmas.
- Differentiate the factual, conceptual, ethical, and procedural patterns relating to legal matters involving ethical questions through the application of critical thinking and legal analytical skills.
- Use technology to find legal solutions to ethical challenges.
- Gain skills often needed to competently and ethically support lawyers, or act independently (if legally authorized) in matters involving ethical questions.

## Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
PHIL200	Introduction to Ethics	3
COMM280	Ethics in Communication	3
PHIL300	Logic	3
PHIL330	Philosophy of Law	3
Select 4 courses from the following:		12
BUSN311	Law and Ethics in the Business Environment	
CMRJ308	Ethics in Criminal Justice	
ITMG481	Ethics in Information Technology	
MGMT314	Management Ethics	
PBHE215	Healthcare: Moral Issues	
PHIL320	Environmental Ethics	
POLS301	Ethics in Politics	
SOCI422	Sociology of the Law	
SCMT371	Legal and Ethical Issues in Security Management	
SPMT326	Ethics in Sports	
Total Semester Hours		24

## Concentration in Legal Office Administration (24 semester hours)

This 24-semester-hour concentration provides a comprehensive conceptual and skills-based exposure to the substantive legal and business concepts, ethics, and procedures needed to effectively operate legal offices.

Note: EDMG220, FINC300, FINC405, and HRMT407 may be taken as elective courses to expand your knowledge of this specific concentration area.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Explore business concepts to help operate legally-oriented businesses properly.
- Differentiate factual, conceptual, ethical, and procedural patterns relating to legal and business challenges through the use of critical thinking and legal analytical skills.
- Use technology to find solutions to challenges associated with legal office administration.
- Gain skills often needed to competently and ethically manage legal business operations.

### Concentration Requirements (24 semester hours)

Code	Title	Semester Hours
BUSN330	Fundamentals of Business Analysis I	3
BUSN331	Fundamentals of Business Analysis II	3
BUSN333	Project Management for Business Analysts	3
BUSN336	Strategic Policy Decision-Making	3
BUSN410	Critical Thinking Strategies for Business Decisions	3
HRMT101	Human Relations Communication	3
LSTD212	Basic Contracts Law	3
MGMT101	Principles of Supervision	3
Total Semester Hours		24

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
Select 1 course from the following:		3
LSTD497	Senior Seminar in Legal Studies (to be taken as the last course before graduation) <sup>1</sup>	
LSTD498	Practical Legal Studies Applications	
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

### Elective Requirements (39 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		39
Total Semester Hours		39

# Bachelor of Science in Mathematics

The Bachelor of Science in Mathematics degree explores advanced mathematical theory and analytical methods, while sharpening the student's critical-thinking skills for solving complex science and technology problems. You will study advanced models for real-world data modeling projects and be taught how to analyze and effectively communicate mathematical theory. Our online math degree is designed for working professionals seeking to expand their knowledge in multiple areas including computer programming, finance, education, logistics, management, engineering, space studies, and more. This flexible degree is also ideal in preparing you for post-graduate education.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate the ability to think critically and systemically through the application of mathematical reasoning.
- Construct mathematical models, solutions, and proofs that are clear, correct, and complete.
- Apply mathematics to solve complex, real-world problems and interpret the impact of those solutions in a global and societal context.
- Apply the awareness of ethical ramifications of the use of mathematical models and solutions to address real-world problems.
- Communicate with a wide range of audiences.
- Function effectively on teams with members from diverse disciplines and backgrounds.

## Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		48
Select one of the following concentrations:		21
Applied Mathematics (p. 495)		
Data Science (p. 495)		
Operations Research (p. 496)		
Final Program Requirements		3
Elective Requirements		18
Total Semester Hours		120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours)</b>		
STEM270	Thinking and Acting Ethically	3
Select 1 course from the following: <sup>1</sup>		3
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	

ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
<b>Civics, Political and Social Sciences (6 semester hours)</b>		
STEM280	Exploring Society and Cultures via Science Fiction	3
Select 1 course from the following: <sup>1</sup>		3
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL114	Planning Your Future with Purpose in STEM	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	

PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL115	Argumentation and Rhetoric	3
<b>History (3 semester hours)</b>		
STEM185	The History and Context of STEM	3
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH110	College Algebra	3
<b>Natural Sciences (3 semester hours)</b>		
STEM100	Introduction to STEM Disciplines	3
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (48 semester hours)

Code	Title	Semester Hours
MATH111	College Trigonometry	3
MATH200	Analytic Geometry	3
MATH210	Discrete Mathematics	3
MATH225	Calculus	3
MATH220	Linear Algebra	3
MATH226	Calculus II	3
MATH227	Calculus III	3
MATH240	Differential Equations	3
ENGL221	Scientific Writing	3
MATH239	Data Analysis and Presentation	3
MATH302	Statistics	3
MATH328	Probability Theory with Applications	3
MATH320	Mathematical Modeling	3
MATH360	Mathematics History and Development	3
STEM380	Coevolution of Society, Culture, and Technology	3
Select 1 course from the following:		3
STEM470	Cybersecurity, Surveillance, Privacy and Ethics	
STEM471	Analytics, Algorithms, AI, and Humanity	
Total Semester Hours		48

Students must choose a concentration for this degree program and may select from a Concentration in Applied Mathematics, Concentration in Data Science, or a Concentration in Operations Research.

## Concentration in Applied Mathematics (21 semester hours)

Offers an overview of how to investigate and solve problems through advanced mathematical theory and analysis. Explores qualitative and quantitative methods of mathematical knowledge. Looks at communicating the theories, methods, and results of advanced analyses verbally or in writing.

In addition to the institutional, general education, and program level learning objectives, the Concentration in Applied Mathematics seeks the following specific learning outcomes of its graduates.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply advanced mathematical theory and analytical methods to investigate and solve problems.
- Use critical thinking skills in assessing and evaluating problems.
- Formulate advanced mathematical models.
- Implement advanced mathematical models to solve problems or provide insights into complex issues.
- Apply qualitative and quantitative methods from the mathematical domains.
- Synthesize mathematical knowledge to solve problems in science and technology.
- Communicate the theory, methods, and results of advanced mathematics analyses verbally and in writing.

### Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
MATH305	Real Analysis	3
MATH330	Linear Optimization	3
MATH412	Graph Theory	3
MATH470	Measurement Theory	3
MATH418	Topology	3
MATH460	Principles of Applied Mathematics	3
Select 1 course from the following:		3
MATH325	Linear Regression I	
MATH340	Multivariate Statistics	
MATH375	Inventory Models and Systems	
Total Semester Hours		21

## Concentration in Data Science (21 semester hours)

Provides the foundational building blocks for data science including analytical methods, functional methods and coding, exploratory data analysis, data visualization, and an exploration of the effect of new technologies such as analytics and AI on humanity. Teaches how to obtain data, how to perform data munging and pre-processing, and how to conduct data analyses on a wide variety of data across all disciplines and domains. Examples for data analyses are taken from business, finance, economics, healthcare, and the physical and social sciences.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Obtain required data and pre-process it for use in data analyses.
- Understand and use a wide variety of specific data types within the broad classifications of both continuous and categorical data.
- Determine the best tools, techniques and/or methods to use in conducting a data analysis.
- Conduct data analyses using a wide variety of tools and methods, modifying those tools and methods as appropriate to achieve increased efficiency in processing and increased effectiveness of the results.
- Communicate information visually by “telling the story” in the data and in the results of the analyses.
- Understand the implications of designing, developing, and implementing new technologies such as analytics and AI.

## Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
DATS200	Functional Methods and Coding	3
DATS201	Analytical Methods I	3
DATS211	Introduction to Data Science	3
DATS301	Analytical Methods II	3
DATS311	Intermediate Data Science	3
DATS331	Machine Learning I	3
DATS411	Advanced Data Science	3
Total Semester Hours		21

## Concentration in Operations Research (21 semester hours)

Examines how advanced analysis and operations research is used in the investigation and solution of scientific and technological problems. Covers why critical thinking, problem assessment and evaluation, and the formulation of operational models is essential for solving problems or gaining insights. Teaches how to communicate operations research.

In addition to the institutional, general education, and program level learning objectives, the Concentration in Operations Research seeks the following specific learning outcomes of its graduates.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply advanced analytical and operations research methods to investigate and solve problems.
- Use critical thinking skills in assessing and evaluating problems.
- Formulate operational models.
- Implement operational models to solve problems or provide insights into complex issues.
- Apply qualitative and quantitative methods from the mathematical domains.
- Synthesize advanced mathematical knowledge to solve problems in science and technology.
- Communicate the theory, methods and results of operations research analyses verbally and in writing.



**Concentration Requirements (21 semester hours)**

Code	Title	Semester Hours
BUSN312	Operations Research	3
MATH330	Linear Optimization	3
MATH340	Multivariate Statistics	3
MATH375	Inventory Models and Systems	3
MATH410	Design of Experiments	3
MATH415	Operational Simulation	3
MATH420	Game Theory and Decision Models	3
Total Semester Hours		21

**Final Program Requirements (3 semester hours)**

Code	Title	Semester Hours
MATH499	Senior Seminar in Mathematics (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

**Elective Requirements (18 semester hours)**

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		18
Total Semester Hours		18

# Bachelor of Science in Natural Sciences

The Bachelor of Science in Natural Sciences helps you to build a solid foundation in biology, chemistry, physics, mathematics, and earth science. This online science program gives you hands-on, at-home laboratory exercises to complement the concepts covered in the classroom. You'll be taught the history and philosophy of science as well as the scientific method that is essential to research. This online bachelor's degree helps you develop your skills in scientific analysis, research, communication, and documentation, and study the relationship between the human and the natural world. Knowledge gained from this program can be applied in a variety of fields or to pursue higher-level graduate study in the natural science fields.

In addition, the B.S. in Natural Science meets all content standards of the National Science Teachers Association (NSTA®) for secondary science education. Therefore, upon completion of this program, you will be eligible to pursue teaching certification through a post-baccalaureate program in education if your goal is to become a high school or middle school science teacher. (This is not a teacher-preparation program and does not lead to licensure. It only covers the needed science content. Students are encouraged to contact their state licensing boards to determine if this program will help them meet their goals.)

This program has specific transfer credit requirements, including time limits on previous courses completed.

*NSTA® is a registered trademark of the National Science Teaching Association.*

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Demonstrate a solid foundation in the theory and application of the natural sciences.
- Apply the scientific method and appropriate tools to investigate and solve problems.
- Demonstrate critical thinking skills in assessing and evaluating problems.
- Formulate scientific models and apply them to solve problems or provide insights into complex issues.
- Apply qualitative and quantitative methods from the scientific domains.
- Use quantitative techniques to solve complex problems.
- Effectively communicate scientific findings verbally and in writing, to both scientific and lay audiences.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	30
	Major Required	36
	Biology (p. 501)	28
	Final Program Requirements	6
	Elective Requirements	20
	Total Semester Hours	120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours)</b>		
PHIL202	Philosophy of Science	3
Select 1 course from the following: <sup>1</sup>		3
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours)</b>		
Select 2 courses from the following: <sup>1</sup>		6
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	

COLL114	Planning Your Future with Purpose in STEM	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL221	Scientific Writing	3
<b>History (3 semester hours)</b>		
HIST270	History of Science	3
<b>Mathematics (3 semester hours)</b>		
MATH111	College Trigonometry	3
<b>Natural Sciences (3 semester hours)</b>		
SPST180	Introduction to Astronomy	3
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (36 semester hours)

Code	Title	Semester Hours
BIOL133	General Biology I with Lab	4
CHEM133	General Chemistry I with Lab	4
GEOG103	Physical Geography	3
BIOL134	General Biology II with Lab	4
CHEM134	General Chemistry II with Lab	4
MATH225	Calculus	3
Select 1 course from the following:		4
PHYS133	Elements of Physics I with Lab	

SCIN233	Physics I with Lab	
MATH226	Calculus II	3
Select 1 course from the following:		4
PHYS134	Elements of Physics II with Lab	
SCIN234	Physics II with Lab	
MATH302	Statistics	3
Total Semester Hours		36

## Concentration in Biology (28 semester hours)

In addition to the general biology courses required in this major, this concentration offers advanced courses to enable you to study biology at a deeper level across multiple scales. The concentration investigates the principles of genetics, heredity, and biological evolution, as well as the structure and function of organisms from the single cell to the complex mammals.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Describe the organization, functions, and biochemical pathways required for life at the cellular level.
- Integrate the laws of chemistry and physics with the principles of cell biology.
- Relate the structures and functions of multicellular organisms with the maintenance of homeostasis.
- Integrate the principles of genetics, heredity, and biological evolution.
- Relate the survival of individual organisms with the principles of population biology, the environment, and biological evolution.
- Describe common research methods in biology.

### Concentration Requirements (28 semester hours)

Code	Title	Semester Hours
BIOL240	Elements of Biological Chemistry	3
BIOL241	Cell Biology	3
SCIN202	Introduction to Microbiology	3
SCIN211	Principles of Genetics with Lab	4
EVSP416	General Ecology	3
Select 4 courses from the following:		12
BIOL301	Molecular Biology	
GEOG200	Fundamentals of Geographic Information Systems I	
SCIN206	Marine Biology	
SCIN311	Fishery Biology	
EVSP342	Population Ecology	
EVSP417	Conservation Biology	
SCIN314	Botany	
SCIN316	Plant Identification, Taxonomy, and Systematics	
SCIN401	Mammalogy	
SCIN402	Ornithology	
SPST200	Introduction to Space Studies	

SPST306	Human Space Flight	
Total Semester Hours		28

Final Program Requirements (6 semester hours)

Code	Title	Semester Hours
SCIN400	Research Methods in Natural Sciences	3
SCIN499	Senior Seminar in Natural Sciences (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		6

<sup>1</sup> Prerequisite: SCIN400 - Research Methods in Natural Sciences and senior standing and completion of all major courses prior to enrollment.

Elective Requirements (20 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major. Students in the Biology concentration are encouraged to consider the 4 semester hour courses BIOL201 - Principles of Anatomy and Physiology with Lab, BIOL202 - Principles of Microbiology with Lab, or the Human Anatomy and Physiology with Lab sequence (BIOL250 and BIOL251) as part of their elective choices.		20
Total Semester Hours		20

# Bachelor of Science in Nursing

The online Bachelor of Science in Nursing degree is open to registered nurses who have earned an associate degree in nursing and have a current, active, and unencumbered license. The mission of the American Public University System's Nursing Program is to *"provide quality, affordable, and accessible higher education for professional registered nurses to foster lifelong learning through a spirit of inquiry in order to prepare students for service and leadership roles in a diverse and global society."*

This online nursing program offers you a seamless transition from your associate degree to BSN degree, and provides a foundation for further graduate studies in nursing.

In this online RN to BSN program, you will work with credentialed and experientially qualified faculty to promote interprofessional collaboration and engagement. Online faculty-facilitated discussions and signature assignments provide you the opportunity to review and evaluate a variety of case studies and patient presentations.

The baccalaureate degree program in nursing at APUS is accredited by the Commission on Collegiate Nursing Education (<http://www.ccnaccreditation.org>).

**Note:** This program is currently not open for admission to residents of the District of Columbia and Washington.

This program has specific admission requirements.

## Degree Program Outcomes

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Improve performance in the professional nursing role by developing leadership, management, sound clinical judgment and communication skills to improve the health of individuals, families, and communities.
- Use interprofessional communication and collaborative skills with patients, families, and members of healthcare teams to achieve effective and efficient coordination of care.
- Utilize evidence-based clinical practice guidelines and leadership principles to promote a culture of safety and achieve outcomes that are grounded in institutional values and professional ethics.
- Apply informatics and healthcare technologies to access critical information, to collaborate with other professionals, and to facilitate optimal patient-centered care.
- Apply scientific principles and the nursing process to evaluate responses to therapies and changes in patient health status.
- Integrate knowledge of human and organizational behavior to lead teams and promote cultures of safety.
- Analyze the impact of financial, regulatory, and political decisions on local, national and global health outcomes.
- Synthesize knowledge of ethical, socioeconomic, and cultural factors to decrease health disparities, to advocate for vulnerable populations, and to provide culturally relevant healthcare to individuals, groups, and communities.
- Employ a spirit of inquiry to embrace the value of lifelong learning and participate in professional activities that promote and shape the future of nursing.

## Programmatic Admission Requirements

This program is currently not open for admission to residents of the District of Columbia and Washington.

To apply to this program, you must hold the following:

- Associate degree in nursing or diploma *from an accredited or board approved institution* in nursing.
- Current, active and unencumbered U.S. Registered Nursing (RN) license
- Signed statement of understanding (SOU)

Please visit our AMU (<https://www.amu.apus.edu/admissions/undergraduate-requirements.html>) or APU (<https://www.apu.apus.edu/admissions/undergraduate-requirements.html>) undergraduate admission page for more information on institutional admission requirements.

Note: You must complete this program within 5 years of starting your first nursing (NURS) course.

## Need help?

If you have questions regarding a program's admission requirements, please contact an Admissions Coach at 877-755-2787 or [info@apus.edu](mailto:info@apus.edu).

## Degree at a Glance

Code	Title	Semester Hours
	Registered Nurse License	30
	General Education Requirements	30
	Major Required	27
	Final Program Requirements	3
	Elective Requirements	30
Total Semester Hours		120

## Degree Program Requirements

### Registered Nurse License (30 semester hours)

Code	Title	Semester Hours
	Current active, unencumbered registered nursing license	30
Total Semester Hours		30

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours)</b>		
Select 2 courses from the following: <sup>1</sup>		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	



LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL200	Introduction to Ethics
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours)**Select 2 courses from the following: <sup>1</sup>

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL113	Planning Your Future with Purpose in Health Sciences
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	

**History (3 semester hours)**

Select 1 course From the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	

**Mathematics (3 semester hours)**

MATH120	Introduction to Statistics	3
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**Natural Sciences (3 semester hours)**

Select 1 course from the following:		3
BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	

Total Semester Hours	30
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<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (27 semester hours)

All Nursing (NURS) courses must be completed within 5 years of taking NURS300 in order to be eligible for graduation.

Code	Title	Semester Hours
NURS300	Professional Transitions in Nursing (required as the first course in this program) <sup>1</sup>	3
NURS310	Assessment, Evaluation and Clinical Decision-Making	3
NURS315	Pathophysiology and Clinical Pharmacology	3
NURS340	Science of Evidence-Based Practice	3
NURS350	Transformational Leadership and Cultures of Safety	3
NURS400	Emerging Scholarship and Trends in Healthcare	3
NURS401	Caring for Today's Veterans	3
NURS421	Community Health I	3
NURS425	Informatics and Technology in Healthcare	3
Total Semester Hours		27

<sup>1</sup> Only students who applied to and are accepted to the Nursing Program may enroll in nursing (NURS) courses.

## Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
NURS498	Senior Seminar in Nursing Studies (Must have a 'B' or better and to be taken as the last course before conferral) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

## Elective Requirements (30 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		30
Total Semester Hours		30

# Bachelor of Science in Public Health

The Bachelor of Science in Public Health degree provides a professionally focused understanding of public health in America and abroad including the science, psychology, and sociology associated with public health issues. You will study public law, policy, and administration associated with the administration of public health along with its management, finances, and structure.

This online degree program is intended for professionals interested in the public health fields such as a community health worker or educator, dietitian, nutritionist, health services manager, or occupational health and safety technician.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply organizational design principles to the unique healthcare organization construct.
- Perform macro- and microeconomic analyses of healthcare production and costs.
- Critically analyze the healthcare system in the United States.
- Create a plan for efficient healthcare system management.
- Develop an ethical system to analyze moral issues in public health services delivery.
- Discuss epidemiological issues in society.
- Appraise the U.S. medical care system, its problems, and potential for reform.
- Analyze international and comparative public health concepts, approaches, and systems.

## Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		37
Select one of the following concentrations:		21
General Concentration (p. 511)		
Emergency and Disaster Management (p. 512)		
Nutrition and Wellness (p. 512)		
Public Health Informatics (p. 513)		
Final Program Requirements		3
Elective Requirements		29
Total Semester Hours		120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours)		
PHIL200	Introduction to Ethics	3
Select 1 course from the following: <sup>1</sup>		3

ARAB100	Arabic I
ARAB101	Arabic II
ARTH200	Art Appreciation
ARTH240	Survey of Photography
ARTH241	Film and Literature
DSIN141	Image Enhancement using Adobe Photoshop®
FREN100	French I
FREN101	French II
GERM100	German I
GERM101	German II
JAPN100	Introduction to Japanese
LITR215	Literature of American Encounters, Revolution, and Rebellion
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement
LITR222	Pivotal Figures in Early British Literature
LITR225	British Literature from Wordsworth through the Wasteland
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt
MUSI200	Music Appreciation
MUSI212	Jazz and Rock
MUSI250	World Music and Cultures
PHIL101	Introduction to Philosophy
PHIL110	Critical Thinking
PHIL202	Philosophy of Science
PORT100	Introduction to Brazilian Portuguese
RELS101	Introduction to the Study of Religion
RELS201	Introduction to World Religions
RUSS100	Russian I
SPAN100	Spanish I
SPAN101	Spanish II
STEM270	Thinking and Acting Ethically

**Civics, Political and Social Sciences (6 semester hours)**Select 2 courses from the following: <sup>1</sup>

6

ANTH100	Introduction to Anthropology
ANTH200	World Archaeology
ANTH202	Introduction to Cultural Anthropology
CHFD220	Human Sexuality
COLL113	Planning Your Future with Purpose in Health Sciences
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I

LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
STEM280	Exploring Society and Cultures via Science Fiction	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
COMM285	Interpersonal Communications	3
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	
HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
Select 1 course from the following:		3
ACCT105	Accounting for Non Accounting Majors	
ENTD200	Fundamentals of Programming	
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH125	Math for Liberal Arts Majors	
MATH225	Calculus	
<b>Natural Sciences (3 semester hours)</b>		
BIOL180	Introduction to Biology	3
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (37 semester hours)

Code	Title	Semester Hours
PBHE111	Introduction to Health Care Administration	3
PBHE112	Health Services Organization	3
SCIN131	Introduction to Chemistry with Lab	4
PBHE209	Wellness: Health Promotion and Disease Prevention	3
PBHE211	Public Health in America	3
SPHE295	Foundations of Nutrition	3
PBHE215	Healthcare: Moral Issues	3
COLL300	Research, Analysis, and Writing	3
MGMT312	Leadership & Motivation	3
PBHE315	Health Economics and Finance	3
PBHE427	Epidemiology	3
POLS410	Public Policy	3
Total Semester Hours		37

You must choose a concentration for this degree program and may select from the General Concentration, Concentration in Emergency and Disaster Management, Concentration in Nutrition and Wellness, or Concentration in Public Health Informatics.

## General Concentration (21 semester hours)

A general concentration allows you to take courses across a number of areas of study within your program based on your own interests.

Code	Title	Semester Hours
Select 7 courses from the following:		21
PBHE426	Quarantine	
PBHE413	Special Operations in Emergency Medical Services	
EDMG220	Emergency Planning	
EDMG230	Emergency and Disaster Incident Command	
EDMG340	Consequence Management	
EDMG420	Risk Communications	
PSYC431	Psychology of Disaster	
PSYC460	Sports Psychology	
SOCI315	Food and Culture	
SOCI423	Sociology of Health and Illness	
SPHE314	Exercise Physiology	
SPHE340	Nutrition Throughout the Lifecycle	
SPHE460	Business Aspects of Fitness and Wellness	
SPHE461	Current Issues and Trends in Fitness and Wellness	
HIMA100	Medical Terminology	
HIMA110	Introduction to Health Information Management	
HIMA250	Healthcare Delivery Systems and Documentation	
HIMA310	Electronics Health Records Fundamentals	
HIMA360	Health Informatics Project and Enterprise Management	

HIMA410	Informatics and Analytics	
HIMA460	Healthcare Data Management and Governance	
Total Semester Hours		21

## Concentration in Emergency and Disaster Management (21 semester hours)

Focuses on the theoretical, historical, and contemporary issues associated with quarantine as a public health and safety measure. Public health consequences of nuclear, biological, and chemical incidents, emergency planning and response measures in place among U.S. agencies, and emerging detection and management technologies will be explored. Psychological and physiological human response to natural and man-made disasters and media management will be discussed.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Evaluate theoretical, historical, and contemporary issues associated with quarantine as a public health and safety measure.
- Analyze specialized issues associated with emergency medical services in mass casualty, biological, chemical and radiological incidents.
- Define and discuss the roles and responsibilities of the Incident Command System used in crises, disasters, and emergency management response systems.
- Identify the historical development and use of chemical and biological weapons and their impacts
- Examine media management during local/national disasters and the levels of governmental response.
- Examine normal and abnormal physiological and psychological reactions to natural and man-made disasters, and discuss the recovery process and principles of mental health care for victims of mass disasters.

### Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
EDMG220	Emergency Planning	3
EDMG230	Emergency and Disaster Incident Command	3
PBHE413	Special Operations in Emergency Medical Services	3
PBHE426	Quarantine	3
EDMG340	Consequence Management	3
EDMG420	Risk Communications	3
PSYC431	Psychology of Disaster	3
Total Semester Hours		21

## Concentration in Nutrition and Wellness (21 semester hours)

Focuses on nutrition and health, and analyzes human food choices from an ecological, political, and sociological perspective. Looks at the psychological effects of exercise and discusses issues related to personality factors and exercise motivation. Provides instruction on psychological skills training program development, which incorporates theories of anxiety reduction, imagery training, and effective goal setting.



## Objectives

Upon successful completion of this concentration, the student will be able to:

- Evaluate the role of nutrition on individual health.
- Describe issues related to the personality factors in exercise and the psychological effects of exercise.
- Discuss challenges related to motivation and the fundamentals of achievement motivation to guide practice and performance.
- Explain concepts related to social, environmental, and occupational factors in health and illness.
- Analyze human food choices from an ecological, political, and sociological perspective.

### Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
SOCI315	Food and Culture	3
SPHE340	Nutrition Throughout the Lifecycle	3
SPHE314	Exercise Physiology	3
SOCI423	Sociology of Health and Illness	3
PSYC460	Sports Psychology	3
SPHE460	Business Aspects of Fitness and Wellness	3
SPHE461	Current Issues and Trends in Fitness and Wellness	3
Total Semester Hours		21

### Concentration in Public Health Informatics (21 semester hours)

Focuses on healthcare information management and its historical development, along with theoretical and practical applications of the health care delivery systems. Examines the emerging technology of electronic health records, and offers fundamental knowledge of the concepts of health informatics applications. Presents key skills and techniques that can be applied immediately to the management and governance of healthcare data.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Define and use specialized medical vocabulary and accepted medical abbreviations and symbols needed in health information management.
- Describe characteristics of health care delivery and settings in the United States.
- Evaluate the type and content of the health record and interpret health records standards, policies and procedures.
- Evaluate initial and ongoing training programs for healthcare organizations.
- Utilize technology for data collection, storage, analysis, interpreting, and reporting of healthcare information.
- Identify, evaluate, and analyze health information needs across the healthcare continuum.

### Concentration Requirements (21 semester hours)

Code	Title	Semester Hours
HIMA100	Medical Terminology	3
HIMA110	Introduction to Health Information Management	3
HIMA250	Healthcare Delivery Systems and Documentation	3
HIMA310	Electronics Health Records Fundamentals	3
HIMA360	Health Informatics Project and Enterprise Management	3

HIMA410	Informatics and Analytics	3
HIMA460	Healthcare Data Management and Governance	3
Total Semester Hours		21

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
PBHE498	Senior Seminar in Public Health (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements (29 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		29
Total Semester Hours		29

# Bachelor of Science in Space Studies

Prepare for the political, economic, legal, commercial, scientific, and technical challenges associated with human exploration in space with the Bachelor of Science in Space Studies.

Very few space studies academic programs match the breadth and scope of this innovative online program and its concentration options, including space entrepreneurship. This space studies program uses a curriculum initially designed by a former NASA astronaut. Many faculty include scientists and engineers currently working for NASA, the space industry, and national astronomical observatories.

You'll also have the opportunity to use the university's state-of-the-art, remote-controlled observatory, with a fully online 24-inch aperture telescope.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply knowledge of mathematics, earth science, and space science to identify and solve space/earth studies problems.
- Conduct experiments, analyze, and interpret data.
- Communicate effectively with a range of audiences.
- Assess ethical and professional responsibilities and the impact of technical and/or scientific solutions in global, economic, environmental, and societal contexts.
- Function on multidisciplinary teams.

## Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		50
Select one of the following concentrations:		15
Aerospace Science (p. 517)		
Astronomy (p. 518)		
Earth Science (p. 518)		
Space Entrepreneurship (p. 519)		
Space Policy (p. 519)		
Final Program Requirements		3
Elective Requirements		22
Total Semester Hours		120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
Arts and Humanities (6 semester hours)		
PHIL202	Philosophy of Science	3
STEM270	Thinking and Acting Ethically	3

<b>Civics, Political and Social Sciences (6 semester hours) <sup>1</sup></b>		
STEM280	Exploring Society and Cultures via Science Fiction	3
Select 1 course from the following:		3
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	
COLL114	Planning Your Future with Purpose in STEM	
COMM211	Social Media and Society	
COMM240	Intercultural Communication	
ECON101	Microeconomics	
ECON102	Macroeconomics	
EDUC200	Humane Education: A Global Interdisciplinary Perspective	
GEOG101	Introduction to Geography	
HOSP110	Practical Food Safety and Awareness	
IRLS210	International Relations I	
LITR212	Forgotten America--Under Represented Cultures in American Literature	
POLS101	Introduction to Political Science	
POLS210	American Government I	
PSYC101	Introduction to Psychology	
RELS250	Death and Dying	
RELS260	Race & Religion	
RELS270	Hope and Resilience	
SOCI111	Introduction to Sociology	
SOCI212	Social Problems	
SOCI220	American Popular Culture	
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
ENGL221	Scientific Writing	3
<b>History (3 semester hours)</b>		
STEM185	The History and Context of STEM	3
<b>Mathematics and Applied Reasoning (3 semester hours)</b>		
MATH110	College Algebra	3
<b>Natural Sciences (3 semester hours)</b>		
CHEM180	Introduction to Chemistry	3
Total Semester Hours		30

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (50 semester hours)

Code	Title	Semester Hours
MATH111	College Trigonometry	3
Select 1 course from the following:		3

MATH112	Pre-Calculus	
MATH120	Introduction to Statistics	
MATH225	Calculus	
STEM100	Introduction to STEM Disciplines	3
SCIN133	Introduction to Physics with Lab	4
SCIN134	Introduction to Astronomy with Lab	4
SCIN137	Introduction to Meteorology with Lab	4
SCIN138	Introduction to Physical Geology with Lab	4
SPST200	Introduction to Space Studies	3
SPST201	Introduction to Space Flight	3
SPST203	History of Space Flight	3
SPST361	Planetary Science with Lab	4
STEM380	Coevolution of Society, Culture, and Technology	3
SPST435	Planetary and Space Exploration	3
SPST465	Space Weather	3
Select 1 course from the following:		3
STEM470	Cybersecurity, Surveillance, Privacy and Ethics	
STEM471	Analytics, Algorithms, AI, and Humanity	
Total Semester Hours		50

You must choose a concentration for this degree program and may select from the Concentration in Aerospace Science, Concentration in Astronomy, Concentration in Earth Science, Concentration in Space Entrepreneurship, or Concentration in Space Policy.

## Concentration in Aerospace Science (15 semester hours)

The aerospace science concentration provides an in-depth study of space transportation systems. You take courses with comprehensive overviews of such topics as rocket propulsion, orbital mechanics, launch / reentry systems, and spacecraft design.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Solve the laws of orbital mechanics, including spacecraft maneuvers such as transfer orbits and rendezvous.
- Analyze liquid and solid rocket propulsion fundamentals including propellants, combustion principles, components, and general turbo-pump, and motor design.
- Assess the technology related to various launch and reentry systems.
- Synthesize the fundamentals of modern space transportation systems, from Apollo to NASA's new Space Launch System.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
SPST305	Introduction to Orbital Mechanics	3
SPST310	Rocket Propulsion	3
SPST330	Launch and Reentry Systems	3
SPST425	Satellite and Spacecraft Systems	3

SPST445	Space Transportation Systems	3
Total Semester Hours		15

## Concentration in Astronomy (15 semester hours)

The astronomy concentration is designed to prepare you for employment in the observatory, planetarium, or science center environment. A range of courses are offered that prepare you for graduate work in the space studies field. You'll acquire experience with the university's new 24-inch robotic telescope.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Demonstrate an in-depth understanding of operation of the modern observatory and planetarium.
- Analyze the celestial objects found within our Solar System and their study by space probe.
- Evaluate the importance of space weather and its potential harmful effects on our technological society.
- Synthesize celestial objects found beyond the Solar System, including stars, exoplanets, and galaxies.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
SPST340	Tools of the Observatory	3
SPST341	Tools of the Planetarium	3
SPST342	Habitable Worlds	3
SPST440	Stars and Galaxies	3
SPST441	Cosmology	3
Total Semester Hours		15

## Concentration in Earth Science (15 semester hours)

In this concentration, you will study the relationship between the physical, chemical, and biological processes operating in and on the Earth. You will learn about the history of the Earth and the evolution of systems such as the oceans and atmosphere, as well as detailed information about soils, streams, weather, and climate. The relationship between humans and the Earth is examined from multiple perspectives.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Use the scientific method and scientific tools to solve programs related to the Earth.
- Demonstrate a comprehensive understanding of the interrelated physical, chemical, and biological processes operating in the Earth system.
- Identify the process and features associated with the Earth's interior, landscapes, oceans, and atmosphere.
- Construct a history of the Earth, focusing on physical, chemical, and biological changes.
- Present earth science information clearly, in multiple formats (written, oral, graphically).
- Integrate knowledge of earth science into an understanding of societal issues and problems.

- Demonstrate good scientific ethics.
- Identify different earth materials, including those of economic value.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ERSC204	Earth System History	3
ERSC302	Geomorphology	3
ERSC304	Remote Sensing and GIS for Earth Sciences	3
ERSC401	Natural Hazards and Society	3
ERSC402	Earth and Planetary Sustainability	3
Total Semester Hours		15

### Concentration in Space Entrepreneurship (15 semester hours)

This concentration consists of five courses. The concentration provides the student with an array of study and course work in idea feasibility, the legal realm of entrepreneurship, funding the venture, marketing, prototyping, and technological innovation.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Determine feasibility of a business idea.
- Assess the legal requirements of being an entrepreneur.
- Analyze various methods necessary to grow an entrepreneurial business through funding options.
- Distinguish innovative technology from non-innovative technology for competitive advantage.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
ENTR150	Idea Generation	3
SPST307	Space Policy	3
ENTR315	Financing a New Venture	3
SPST426	Space Habitats	3
SPST427	Space Resources	3
Total Semester Hours		15

### Concentration in Space Policy (15 semester hours)

Space policy is designed to cultivate leaders in the space industry – both in NASA as well as the commercial space operations industry. This concentration is ideal if you have an administrative / business interest. Coursework considers space diplomacy, with extensive emphasis on space operations and organizations.

#### Objectives

Upon successful completion of this concentration, the student will be able to:

- Examine the political and commercial significance of major national and international space missions, projects, and operations.
- Evaluate organizations that are critical to the success of the technological advance of space infrastructure in the United States.
- Synthesize the status of space cooperation and diplomacy between various space faring nations.
- Synthesize space laws and how the governing institutions affect applications such as remote sensing, communications, navigation, launch services, satellite exports, and arms control.

### Concentration Requirements (15 semester hours)

Code	Title	Semester Hours
SPST304	National Space Organization	3
SPST306	Human Space Flight	3
SPST307	Space Policy	3
SPST415	Space Station Systems and Operations	3
SPST485	Space Wargaming	3
Total Semester Hours		15

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
SPST499	Senior Seminar in Space Studies (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of major courses prior to enrollment.

### Elective Requirements (22 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		22
Total Semester Hours		22



# Bachelor of Science in Sports and Health Sciences

Our Bachelor of Science in Sports and Health Sciences is a scientific study of human movement and human behavior relative to exercise, fitness, nutrition, health, and wellness. This degree is designed to prepare you to meet challenges in these dynamic and emerging fields of study. You will engage in core issues and concepts in areas such as anatomy and physiology, nutrition, kinesiology, and exercise programming and testing. The degree provides practical skills often required for entry-level positions in the fitness industry, corporate wellness programs, and strength and conditioning of athletes.

This B.S. degree in Sports and Health Sciences is affiliated with the guidelines of the American Sport Education Program (ASEP (<http://www.asep.com>)).

**Note:** Material for lab courses will only be provided once. If you need replacement lab equipment for any reason or need to retake the course later, you will need to purchase your own lab refills.

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Apply fundamental concepts of human anatomy, physiology, nutrition, health, and kinesiology to applications in sports and fitness.
- Perform motivational strategies and tactics designed to guide practice and performance in physical activity.
- Design a healthful diet for varying populations based off sound nutritional principles and concepts generated from the Dietary Guidelines for Americans.
- Critically analyze steroids usage on athletic performance including associated muscle reaction and medical risks.
- Illustrate appropriate procedures for treating upper and lower body sport injuries.
- Construct exercise programs applicable in fitness, rehabilitation, and athletic training settings.
- Evaluate suitability of common exercises based on muscle action for exercise program design.

## Degree at a Glance

Code	Title	Semester Hours
	General Education Requirements	31
	Major Required	37
	Select one of the following concentrations:	18
	General Concentration (p. 524)	
	Coaching Studies (p. 525)	
	Exercise Science (p. 525)	
	Fitness and Wellness Professional Studies (p. 526)	
	Nutrition for Health and Fitness (p. 527)	
	Final Program Requirements	3
	Elective Requirements	31
	Total Semester Hours	120

# Degree Program Requirements

## General Education Requirements (31 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours)</b>		
Select 2 courses from the following: <sup>1</sup>		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	
GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours)</b>		
Select 2 courses from the following: <sup>1</sup>		6
ANTH100	Introduction to Anthropology	
ANTH200	World Archaeology	
ANTH202	Introduction to Cultural Anthropology	
CHFD220	Human Sexuality	

COLL113	Planning Your Future with Purpose in Health Sciences
COMM211	Social Media and Society
COMM240	Intercultural Communication
ECON101	Microeconomics
ECON102	Macroeconomics
EDUC200	Humane Education: A Global Interdisciplinary Perspective
GEOG101	Introduction to Geography
HOSP110	Practical Food Safety and Awareness
IRLS210	International Relations I
LITR212	Forgotten America--Under Represented Cultures in American Literature
POLS101	Introduction to Political Science
POLS210	American Government I
PSYC101	Introduction to Psychology
RELS250	Death and Dying
RELS260	Race & Religion
RELS270	Hope and Resilience
SOCI111	Introduction to Sociology
SOCI212	Social Problems
SOCI220	American Popular Culture
STEM280	Exploring Society and Cultures via Science Fiction

**Communication: Writing, Oral, and Multimedia (9 semester hours)**

COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3

Select 1 course from the following: 3

COMM200	Public Speaking
ENGL101	Proficiency in Writing
ENGL115	Argumentation and Rhetoric
ENGL210	Introduction to Literature
ENGL220	Technical Writing
ENGL221	Scientific Writing
ENGL226	Effective Business Communication
HRMT101	Human Relations Communication
IRLS200	Information Literacy and Global Citizenship
ITCC231	Introduction to Information Technology Writing
MGMT100	Human Relations

**History (3 semester hours)**

Select 1 course from the following: 3

HIST101	American History to 1877
HIST102	American History since 1877
HIST111	World Civilization before 1650
HIST112	World Civilization since 1650
HIST121	Western Civilization before The Thirty Years War
HIST122	Western Civilization since The Thirty Years War
HIST221	African-American History before 1877
HIST222	African-American History since 1877

HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	
<b>Mathematics (3 semester hours)</b>		
Select 1 course from the following:		3
MATH110	College Algebra	
MATH111	College Trigonometry	
MATH225	Calculus	
<b>Natural Sciences (4 semester hours)</b>		
BIOL133	General Biology I with Lab	4
Total Semester Hours		31

<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

## Major Required (37 semester hours)

Code	Title	Semester Hours
CHEM133	General Chemistry I with Lab	4
PHYS133	Elements of Physics I with Lab	4
BIOL250	Human Anatomy and Physiology with Lab I	4
BIOL251	Human Anatomy and Physiology with Lab II	4
SPHE295	Foundations of Nutrition	3
SPHE421	Kinesiology	3
SPHE314	Exercise Physiology	3
PSYC460	Sports Psychology	3
SPHE250	Sports First Aid and Safety	3
SPHE322	Sports Nutrition	3
SPHE420	Exercise Programming and Testing	3
Total Semester Hours		37

Students must choose a concentration for this degree program and may select from a General Concentration, Concentration in Coaching Studies, Concentration in Exercise Science, Concentration in Fitness and Wellness Professional Studies, Concentration in Nutrition for Health and Fitness.

## General Concentration Requirements (18 semester hours)

This general concentration allows you to select from all concentration courses offered within this program, enabling you to create your own focused area of study.

Code	Title	Semester Hours
Select 6 courses from the following:		18
LSTD209	Sports Law, Risk, and Regulation	
MATH302	Statistics	
PBHE209	Wellness: Health Promotion and Disease Prevention	
PBHE315	Health Economics and Finance	
PBHE427	Epidemiology	

SPHE315	Training and Conditioning	
SPHE317	Sports Medicine	
SPHE318	Coaching Theory and Methodology	
SPHE324	Biomechanics	
SPHE360	Scientific Principles of Coaching	
SPHE416	Athletic Programs Administration	
SPHE417	Leadership Concepts in Coaching	
SPHE423	Advanced Strength and Conditioning	
SPHE426	Principles of Corrective Exercise	
SPHE460	Business Aspects of Fitness and Wellness	
SPHE461	Current Issues and Trends in Fitness and Wellness	
SPMT316	Sports and Recreation Facility Management	
Total Semester Hours		18

## Concentration in Coaching Studies (18 semester hours)

Explores strategies of effective communication with athletes, coaches, officials, administrators, and parents. The curriculum evaluates technical and tactical sport skills, as well as leadership strategies and their application to coaching principles. A focus on coaching leadership can also be applied to other business endeavors and personal life.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Identify strategies to effectively communicate athletes, fellow coaches, officials, school administrators, and parents.
- Examine methods for teaching and evaluating technical and tactical sport skills.
- Analyze and evaluate leadership strategies and apply them to coaching principles.

### Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
LSTD209	Sports Law, Risk, and Regulation	3
SPHE318	Coaching Theory and Methodology	3
SPHE423	Advanced Strength and Conditioning	3
SPHE417	Leadership Concepts in Coaching	3
SPHE416	Athletic Programs Administration	3
SPHE360	Scientific Principles of Coaching	3
Total Semester Hours		18

## Concentration in Exercise Science (18 semester hours)

Offers scientific knowledge used to train athletes and clients in fitness and athletic performance, including exercise prescription principles for training variation, injury prevention, and reconditioning. Examines sports nutrition and supplementation, lower and upper extremities function during exercise, and mental training strategies aimed at improving athletic performance.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply scientific knowledge to train athletes and clients for the primary goals of improving athletic performance and fitness.
- Apply exercise prescription principles for training variation, injury prevention, and reconditioning.
- Analyze sport movements and design movement-oriented exercise prescriptions.

### Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
MATH302	Statistics	3
SPHE315	Training and Conditioning	3
SPHE317	Sports Medicine	3
SPHE423	Advanced Strength and Conditioning	3
SPHE324	Biomechanics	3
SPHE426	Principles of Corrective Exercise	3
Total Semester Hours		18

### Concentration in Fitness and Wellness Professional Studies (18 semester hours)

Examines health care financing and economic principles, as well as environmental, sociocultural, and other factors that influence fitness and wellness practices. Topics include the physical, intellectual, and social components of wellness, as well as sports facility and event management and other business aspects, including risk management, marketing, leadership, and personnel.

## Objectives

Upon successful completion of this concentration, the student will be able to:

- Analyze the structure of healthcare financing and economic principles.
- Evaluate environmental, sociocultural, and economic factors that influence fitness and wellness professional practices throughout society.
- Integrate healthy lifestyle and behavior practices for improving overall well-being.

### Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
PBHE209	Wellness: Health Promotion and Disease Prevention	3
PBHE315	Health Economics and Finance	3
PBHE427	Epidemiology	3
SPHE460	Business Aspects of Fitness and Wellness	3
SPHE461	Current Issues and Trends in Fitness and Wellness	3
SPMT316	Sports and Recreation Facility Management	3
Total Semester Hours		18

## Concentration in Nutrition for Health and Fitness

Nutrition and physical activity are essential components of health and well-being. The Nutrition for Health and Fitness concentration extends the core nutrition theories beyond basic sports nutrition concepts taught in the Sports and Health Sciences curriculum. Students will learn to apply cultural food practices, advanced nutrition topics, wellness and disease prevention principles, and skills to integrate nutrition coaching/well-being techniques to health and fitness programs.

### Objectives

Upon successful completion of this concentration, the student will be able to:

- Apply fundamental principles and concepts of nutrition science (e.g., nutrients, hydration, and alcohol consumption), cultural food practices, and disease prevention to essential health and fitness principles.
- Evaluate current fitness and wellness topics using appropriate nutrition and physical activity principles.
- Develop strategies that help clients select appropriate foods, manage cultural food restrictions, and overcome life/training hurdles to build healthy eating habits that improve their well-being.

### Concentration Requirements (18 semester hours)

Code	Title	Semester Hours
PBHE209	Wellness: Health Promotion and Disease Prevention	3
SOCI315	Food and Culture	3
SOCI423	Sociology of Health and Illness	3
SPHE461	Current Issues and Trends in Fitness and Wellness	3
SPHE340	Nutrition Throughout the Lifecycle	3
SPHE435	Advanced Nutrition	3
Total Semester Hours		18

### Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
SPHE490	Senior Seminar in Sports and Health Science (to be taken as the last course before graduation) <sup>1</sup>	3
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

### Elective Requirements (31 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		31
Total Semester Hours		31

# Bachelor of Science in Sports Management

The Bachelor of Science in Sports Management is designed for students who are interested in sports management, coaching, and administration in collegiate, community, or high school sports. This online bachelor's degree provides students with an improved understanding of sports administration, coaching theory and strategy, and business skills such as marketing, promotion, public relations, finance, and sports law. It is an ideal choice for students interested in sports-related fields such as interscholastic or intercollegiate coaching, sports management, or front-office administration. This program has achieved specialized accreditation through the Commission on Sport Management Accreditation (COSMA).

## Degree Program Objectives

In addition to the institutional and degree level learning objectives, graduates of this program are expected to achieve these learning outcomes:

- Describe the impact of legal principles on sport management processes.
- Apply management concepts associated with the operations of sport facilities.
- Appraise the socio-historical context of sport as related to contemporary society.
- Examine the application of ethical solutions in the sport management industry.
- Apply financial management principles to managing a sport organization.
- Analyze the dimensions of a sport marketing plan.

## Degree at a Glance

Code	Title	Semester Hours
General Education Requirements		30
Major Required		36
Final Program Requirements		3
Elective Requirements		51
Total Semester Hours		120

## Degree Program Requirements

### General Education Requirements (30 semester hours)

Code	Title	Semester Hours
<b>Arts and Humanities (6 semester hours)</b>		
Select 2 courses from the following: <sup>1</sup>		6
ARAB100	Arabic I	
ARAB101	Arabic II	
ARTH200	Art Appreciation	
ARTH240	Survey of Photography	
ARTH241	Film and Literature	
DSIN141	Image Enhancement using Adobe Photoshop®	
FREN100	French I	
FREN101	French II	
GERM100	German I	



GERM101	German II	
JAPN100	Introduction to Japanese	
LITR215	Literature of American Encounters, Revolution, and Rebellion	
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	
MUSI200	Music Appreciation	
MUSI212	Jazz and Rock	
MUSI250	World Music and Cultures	
PHIL101	Introduction to Philosophy	
PHIL110	Critical Thinking	
PHIL200	Introduction to Ethics	
PHIL202	Philosophy of Science	
PORT100	Introduction to Brazilian Portuguese	
RELS101	Introduction to the Study of Religion	
RELS201	Introduction to World Religions	
RUSS100	Russian I	
SPAN100	Spanish I	
SPAN101	Spanish II	
STEM270	Thinking and Acting Ethically	
<b>Civics, Political and Social Sciences (6 semester hours)</b>		
ECON101	Microeconomics	3
ECON102	Macroeconomics	3
<b>Communication: Writing, Oral, and Multimedia (9 semester hours)</b>		
COMM120	Information and Digital Literacy	3
ENGL110	Making Writing Relevant	3
Select 1 course from the following:		3
COMM200	Public Speaking	
ENGL101	Proficiency in Writing	
ENGL115	Argumentation and Rhetoric	
ENGL210	Introduction to Literature	
ENGL220	Technical Writing	
ENGL221	Scientific Writing	
ENGL226	Effective Business Communication	
HRMT101	Human Relations Communication	
IRLS200	Information Literacy and Global Citizenship	
ITCC231	Introduction to Information Technology Writing	
MGMT100	Human Relations	
<b>History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST101	American History to 1877	
HIST102	American History since 1877	
HIST111	World Civilization before 1650	

HIST112	World Civilization since 1650	
HIST121	Western Civilization before The Thirty Years War	
HIST122	Western Civilization since The Thirty Years War	
HIST221	African-American History before 1877	
HIST222	African-American History since 1877	
HIST223	History of the American Indian	
HIST270	History of Science	
STEM185	The History and Context of STEM	

**Mathematics (3 semester hours)**

ACCT105	Accounting for Non Accounting Majors	3
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**Natural Sciences (3 semester hours)**

Select 1 course from the following:		3
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BIOL180	Introduction to Biology	
BIOL181	Introduction to Human Anatomy and Physiology	
CHEM180	Introduction to Chemistry	
ERSC180	Introduction to Meteorology	
ERSC181	Introduction to Geology	
EVSP180	Introduction to Environmental Science	
PHYS180	Introduction to Physics	
SPST180	Introduction to Astronomy	
STEM100	Introduction to STEM Disciplines	

Total Semester Hours		30
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<sup>1</sup> All literature courses require successful completion of ENGL101 - Proficiency in Writing or ENGL110 - Making Writing Relevant.

**Major Required (36 semester hours)**

Code	Title	Semester Hours
LSTD209	Sports Law, Risk, and Regulation	3
SPMT200	Foundations of Sports Management	3
SPMT213	Principles of Sports Marketing	3
SPMT230	Integrated Communication in Sports	3
SPMT279	Social Issues in Sports	3
SPMT316	Sports and Recreation Facility Management	3
SPMT326	Ethics in Sports	3
SPMT410	Applied Concepts in Sports Finance	3
PSYC460	Sports Psychology	3
SPMT440	Sports Event Management and Planning	3
SPMT450	Sports Governance	3
SPMT455	Ticket Sales Management	3
Total Semester Hours		36

Final Program Requirements (3 semester hours)

Code	Title	Semester Hours
Select one course from the following:		3
SPMT491	Senior Seminar in Sports Management	
SPMT499	Internship in Sports Management	
Total Semester Hours		3

<sup>1</sup> Prerequisite: Senior Standing and completion of all major courses prior to enrollment.

Elective Requirements ( 51 semester hours)

Code	Title	Semester Hours
Select any courses not already taken to fulfill the requirements listed above. Credits applied toward a minor or certificate in an unrelated field may be used to fulfill elective credit for the major.		51
Total Semester Hours		51

# Undergraduate Minors

Because it is important for students to develop an understanding of multiple academic disciplines, you may pursue a minor in addition to your major. For example, a military history major might select an intelligence studies minor. The combination of the major and the unrelated minor will enable you to expand your thinking beyond the single discipline, and allow you to present a broader academic portfolio to potential employers or graduate schools.

You may not minor in a discipline directly related to your major discipline. You may be able to fulfill the majority of the course requirements for a minor by carefully selecting and aligning your electives within your degree program, and you may apply transfer credit towards courses that count towards the minor.

- *American Military History*
- *Area Studies-Asian Studies* (p. 534)
- *Area Studies-European Studies*
- *Area Studies-Latin American Studies*
- *Area Studies-Middle Eastern Studies*
- *Business Administration* (p. 542)
- *Child Development* (p. 543)
- *English* (p. 544)
- *Family Development* (p. 545)
- *History* (p. 546)
- *Intelligence Studies* (p. 548)
  
- *International Relations*
- *Management* (p. 550)
- *Marketing* (p. 551)
- *Military History* (p. 552)
- *Philosophy* (p. 553)
- *Psychology* (p. 554)
- *Religion* (p. 555)
- *Security Management* (p. 556)
- *Sociology* (p. 557)
- *Sustainability Studies* (p. 558)

# Undergraduate Minor - American Military History

Not open to students pursuing a major in Military History or History.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Discuss the major American wars and conflicts and their causes and results from colonial times to the present.
- Describe the major battles and campaigns of these wars and conflicts and the strategies and tactics employed.
- Express in clear terms the evolving nature of U.S. military policy and the effect of political influences.
- Evaluate the impact of war on society.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
MILH202	Survey of American Military History	3
Select 5 courses from the following:		15
HIST406	Civil War And Reconstruction, 1861-1877	
MILH320	The American Revolution	
MILH355	World War I	
MILH360	World War II	
MILH370	The Korean War	
MILH371	The Vietnam War	
Total Semester Hours		18

# Undergraduate Minor - Area Studies: Asian Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. This area studies minor allows students to concentrate in the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region. This allows students to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

### General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

### Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region – individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

### History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

### Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
HIST230	History of East Asia	3
IRLS300	Comparative Political Systems	3
IRLS310	Introduction to Human Security	3
IRLS331	Asian Politics	3
IRLS392	Globalization and the Market Economy	3

IRLS412	Comparative Foreign Policy	3
Total Semester Hours		18

# Undergraduate Minor - Area Studies: European Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. This area studies minor allows students to concentrate in the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region. This allows students to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

### General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

### Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region – individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

### History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

### Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
HIST310	History of Modern Europe	3
IRLS343	Government and Security of Russia	3
IRLS344	European Politics	3
IRLS392	Globalization and the Market Economy	3
IRLS412	Comparative Foreign Policy	3



PHIL302	Ancient Western Philosophy	3
Total Semester Hours		18

# Undergraduate Minor - Area Studies: Latin American Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. An Area Studies minor allows the student to concentrate on the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region. This will also allow the student to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

### General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

### Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region – individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

### History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

### Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
HIST360	History of Latin America	3
IRLS300	Comparative Political Systems	3
IRLS310	Introduction to Human Security	3
IRLS355	Latin American Politics	3
IRLS392	Globalization and the Market Economy	3

Select 1 course from the following:		3
IRLS213	Political Geography	
IRLS412	Comparative Foreign Policy	
SPAN100	Spanish I	
SPAN101	Spanish II	
Total Semester Hours		18

# Undergraduate Minor - Area Studies: Middle Eastern Studies

There are certain academic disciplines in which knowledge of a specific geographic area would provide a competitive edge. This Area Studies minor allows students to concentrate in the politics, culture, and economic structure of a specific geographic region. This minor will enable students to apply their academic experience in their major discipline to a geographic region and allow students to present a broader academic portfolio to potential employers or graduate schools. This Area Studies minor requires 18 semester hours. Additionally, students are encouraged to undertake the study of a language appropriate to this geographic area.

Students may apply transfer credit towards courses that count towards the minor. Many students will be able to fulfill the majority of the course requirements for a minor by carefully selecting and aligning the electives within their degree program.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

### General Knowledge of Regional Politics and Security

- Investigate the concepts and theories of comparative analysis of different political regimes and economic markets.
- Explain the role of international, regional, and non-governmental organizations in the regional context.
- Compare and contrast the political, economic, social, and military components of national and regional power.
- Articulate the importance of key nations to the strategic interests of the United States.

### Economics

- Determine the significant political, economic, security, diplomatic, and social challenges facing a selected region – individually as separate nations and collectively as a region.
- Describe the economic policies, challenges, and opportunities facing a particular region.

### History

- Examine the origins, course, and character of the civilization of a selected area from pre-written history until the present.
- Describe the key historical events that shape the region's current policies and processes.

### Philosophies, Religions, and Popular Culture

- Evaluate the importance of philosophical, cultural, and religious schools of thought underlying development in the selected area of study.
- Identify the role culture plays in the political, cultural, economic, and social policies of a region.
- Analyze the rise and spread of the major philosophies and religions in the selected area of study.
- Describe the impact of the predominant religions in the selected region.
- Analyze the role of literature as an expression of culture and politics of the selected region through a reading of the national literature.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
IRLS260	Middle Eastern Culture	3
IRLS360	Global Politics of Islam	3
IRLS460	Government & Security in the Middle East	3

RELS353	Islam	3
Select 2 courses from the following:		6
HIST350	History of the Middle East	
IRLS463	Arab-Israeli Conflict: Contemp. Politics & Dipl.	
IRLS468	Politics and Security in the Persian Gulf	
RELS330	Religions of the Middle East	
Total Semester Hours		18

# Undergraduate Minor - Business Administration

*Not open to students pursuing a major in Business Administration.*

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Use various data tools to collect information and develop business problem-solving competencies.
- Analyze business environments and formulate suitable strategies in the context of competitive forces and environmental factors.
- Apply theoretical techniques to analyze government, business, and consumer markets.
- Integrate market analyses and marketing information into a strategic plan.
- Describe how Management Information Systems contribute to business processes to meet current and future technological needs within the organization.
- Apply basic financial management operations to enhance business decision-making processes.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
BUSN310	Business Theory	3
BUSN330	Fundamentals of Business Analysis I	3
FINC400	Principles of Financial Management	3
INFO331	Management Information Systems	3
MGMT310	Principles and Theory of Management	3
MKTG201	Fundamentals of Marketing	3
Total Semester Hours		18

# Undergraduate Minor - Child Development

*Not open to students pursuing a major in Human Development and Family Studies.*

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Assess developmental changes and processes influencing child development.
- Identify scientific approaches and the application of research and theory to working with children.
- Examine socio-cultural and historic constructs related to child development.
- Interact with culturally diverse youth in family and societal settings.
- Demonstrate critical thinking and observation skills related to the study of child development.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
EDUC111	Observation Techniques	3
CHFD307	Child and Adolescent Development	3
CHFD308	Infant-Toddler Development	3
CHFD312	Special Needs Students	3
CHFD411	Child Psychopathology	3
PSYC101	Introduction to Psychology	3
Total Semester Hours		18

# Undergraduate Minor - English

Not open to students pursuing a major in English.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Demonstrate the ability to effectively express ideas and evidence in writing.
- Discuss representative literary texts and critical theory to enhance a life-long learning process.
- Analyze written materials and understand why multiple interpretations of written materials are possible and relevant in a diverse society.
- Demonstrate knowledge of the evolution of the English language and how it is used in communication, literary and non-literary.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
ENGL402	WordPlay: A Biography of the English Language	3
LITR350	America's Genre: The Art and Genius of the Short Story	3
LITR319	Society, Identity and Politics: Contemporary Topics in Critical Theory	3
LITR410	All of the World's a Stage: Differences in the Dramatic World of Shakespeare	3
Select 1 course from the following:		3
LITR222	Pivotal Figures in Early British Literature	
LITR225	British Literature from Wordsworth through the Wasteland	
Select 1 course from the following:		3
LITR315	British Poetry from Blake to the Beatles	
LITR354	American Poetry from Bradstreet to Bukowski	
Total Semester Hours		18



# Undergraduate Minor - Family Development

Not open to students pursuing a major in Human Development and Family Studies.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Examine theories concerning general psychology.
- Explore classic and contemporary theoretical explanations of family dynamics.
- Recognize how social forces influence family definitions, composition, and change.
- Examine trends in family formation and dissolution within the context of social change.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
CHFD225	Introduction to the American Family	3
CHFD340	Family Development	3
CHFD445	Family Communications	3
PSYC101	Introduction to Psychology	3
PSYC343	Adult Development	3
SOCI421	Sociology of the Family	3
Total Semester Hours		18

# Undergraduate Minor - History

Not open to students pursuing a major in Military History or History.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Identify a broad knowledge of literature pertaining to history.
- Describe and locate the linkage between historical studies and allied disciplines.
- Compare and contrast the historical experiences that go beyond a single time period and national or cultural experience.
- Interpret historical forces that have shaped social change and contemporary human problems.
- Analyze history from diverse perspectives of ancient and contemporary historical cultures, nations, and regions.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
HIST300	Research Methods in History (Required)	3
<b>Ancient and Classical History (6 semester hours)</b>		
Select 2 courses from the following:		6
HIST301	Ancient Greece	
HIST302	Ancient Rome	
HIST303	The Middle Ages	
HIST304	The Renaissance	
HIST305	France in the Age of Enlightenment	
HIST306	The British Empire	
HIST307	The Age of Dictators: Europe 1914-1945	
<b>American History (6 semester hours)</b>		
Select 2 courses from the following:		6
HIST402	Colonial America	
HIST403	The Early Republic, 1783-1815	
HIST404	Jacksonian America, 1815-1846	
HIST405	Antebellum America, 1846-1861	
HIST406	Civil War And Reconstruction, 1861-1877	
HIST407	The Gilded Age, 1877-1900	
HIST408	The United States: 1900 to Second World War	
HIST409	The United States: WW II to the Present	
<b>Global Cultures and History (3 semester hours)</b>		
Select 1 course from the following:		3
HIST310	History of Modern Europe	
HIST320	History of Russia	
HIST340	History of Africa	
HIST350	History of the Middle East	

HIST360	History of Latin America	
Total Semester Hours		18

# Undergraduate Minor - Intelligence Studies

Not open to students pursuing a major in Intelligence Studies.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Describe the evolution, structures, functions, capabilities, and activities of the U.S. national intelligence community.
- Detail the structures, functions, capabilities, and contributions of national intelligence consumers to include the national command authority, executive departments, Congress, military services, joint/unified commands, and law enforcement agencies.
- Specify the intelligence cycle including intelligence planning, data collection, data exploitation, analysis, production, and dissemination phases.
- Differentiate among the fundamental capabilities and limitations and means of tasking human, geographic/imagery, signals, measurement, and technical and open intelligence data sources.
- Conduct basic research and compose professional and academic analyses on issues critical to intelligence consumers.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
Select 4 courses from the following:		12
INTL200	Introduction to Intelligence Studies	
SSGS300	Research Design and Methods	
INTL301	U.S. Intelligence Community	
INTL304	Intelligence Collection	
INTL401	Critical Analysis	
Select 2 courses from the following:		6
HLSS320	Intelligence and Homeland Security	
INTL305	Law and Ethics in Intelligence	
INTL402	Intelligence Analysis	
INTL410	Counterintelligence	
INTL412	Espionage/Counterespionage	
INTL431	Criminal Intelligence Analysis	
Total Semester Hours		18

# Undergraduate Minor - International Relations

Not open to students pursuing a major in International Relations.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Comprehend various theories about the nature of conflict and cooperation in the post-Cold War era.
- Explore the norms and purposes of international structures and regimes.
- Critically assess the unique principles, structure, and organization of the major international organizations.
- Assess the economic and political processes in international development; diagnose social issues in international development; appraise the need for sustainable international development.
- Identify the various manifestations of globalization and its impact on various public policies as they relate to cultural, economic, political, and social institutions.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
IRLS200	Information Literacy and Global Citizenship	3
IRLS300	Comparative Political Systems	3
IRLS301	International Organizations	3
IRLS302	International Development	3
Select 2 courses from the following:		6
IRLS310	Introduction to Human Security	
IRLS322	African Politics	
IRLS331	Asian Politics	
IRLS343	Government and Security of Russia	
IRLS344	European Politics	
IRLS355	Latin American Politics	
IRLS360	Global Politics of Islam	
IRLS392	Globalization and the Market Economy	
IRLS400	Human Rights	
IRLS405	National and Transnational Justice	
IRLS409	Environmental Security	
IRLS412	Comparative Foreign Policy	
IRLS413	International Conflict Resolution	
IRLS414	Principles of Peacekeeping	
IRLS415	Peacekeeping Logistics	
IRLS417	International Civil Order	
IRLS460	Government & Security in the Middle East	
IRLS463	Arab-Israeli Conflict: Contemp. Politics & Dipl.	
IRLS468	Politics and Security in the Persian Gulf	
Total Semester Hours		18

# Undergraduate Minor - Management

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Relate and discuss the potential functions and applications of management processes in the areas of planning, organizing, staffing, directing, leading, and controlling.
- Identify and examine the needs of today's managers in assessing and implementing strategies used in the management of information technology in the workplace.
- Recognize and describe issues as they relate to organizational behavior in terms of individual, group/team, and overall organization.
- Examine and explore potential management problems and opportunities and discuss possible strategies and applications to be used in addressing such managerial concerns.
- Recognize and discuss ethical conduct and the social responsibility of business in the lives of internal and external stakeholders.
- Analyze the external and internal environmental forces affecting business organizations that affect the effectiveness of managers in today's competitive and global organizations.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
INFO331	Management Information Systems	3
MGMT310	Principles and Theory of Management	3
MGMT311	Organizational Behavior	3
MGMT314	Management Ethics	3
MGMT315	Management Communications	3
MGMT410	Strategic Management	3
Total Semester Hours		18

# Undergraduate Minor - Marketing

Not open to students pursuing a major in Marketing.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Integrate the marketing function with fundamental business enterprise concepts and principles of management.
- Apply basic marketing principles to a particular business.
- Develop a strategic marketing plan.
- Apply various marketing strategies and techniques to align an organization’s marketing function with the overall mission and strategy of the organization.
- Develop a marketing plan for a business or a department.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
MKTG201	Fundamentals of Marketing	3
MKTG301	Principles of Sales	3
MKTG400	Marketing Research	3
MKTG401	Marketing Strategy	3
Select 2 courses from the following:		6
MKTG304	Public Relations	
MKTG305	Advertising	
MKTG307	Consumer Behavior	
MKTG403	Marketing Management	
Total Semester Hours		18

# Undergraduate Minor - Military History

Not open to students pursuing a major in Military History or History.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Discuss the major world wars and conflicts and their causes and results from antiquity to the present.
- Interpret historical forces that have shaped social change and contemporary human problems.
- Analyze the historical experiences that go beyond a single time period and national or cultural experience.
- Express in clear terms the evolving nature of security issues and their effects on global stability.
- Evaluate the impact of war on society.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
MILH201	Introduction to Military History	3
MILH202	Survey of American Military History	3
MILH221	War From Antiquity to 1700	3
MILH222	War from 1700 to the Present	3
MILH303	Readings in Military Leadership	3
MILH304	Readings in Military Philosophy	3
Total Semester Hours		18



# Undergraduate Minor - Philosophy

*Not open to students pursuing a major in Philosophy.*

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Reflect upon the love of wisdom, what inclines people to seek it, and to analyze what it is the philosopher does in the pursuit of truth.
- Analyze a variety of traditional and non-traditional ethical theories.
- Gain basic competence in the following forms of reasoning: informal logic, syllogistic logic, propositional logic, predicate logic, and inductive logic.
- Define key trends in the development of western thought.
- Interpret how Western philosophers and their ideas have shaped the development of political, social and economic systems.
- Relate current Western views of the world to their underpinnings in early writings and philosophies.
- Differentiate between the influences of ancient Judaism, Greece, Rome, and Christian thinking on Western thought.
- Analyze the differing philosophies in terms of how they conflict or complement one another.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
PHIL101	Introduction to Philosophy	3
PHIL300	Logic	3
PHIL302	Ancient Western Philosophy	3
PHIL303	Medieval Philosophy	3
PHIL401	Modern Philosophy from Descartes to Kant	3
PHIL403	Continental and Post-Modern Philosophy	3
Total Semester Hours		18

# Undergraduate Minor - Psychology

Not open to students pursuing a major in Psychology.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Discuss the history and foundation of psychology.
- Identify major theorists of developmental psychology.
- Differentiate between biological psychological conditions and personality disorders.
- Evaluate how to design, execute, analyze, and interpret psychological research.
- Explore the application of evaluation principles to developmental theories in a scientific format.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
CHFD342	Human Life Span Development	3
PSYC101	Introduction to Psychology	3
PSYC300	Research Methods in Psychology	3
PSYC303	Learning and Cognition	3
PSYC305	History and Systems of Psychology	3
PSYC406	Psychopathology	3
Total Semester Hours		18

# Undergraduate Minor - Religion

Not open to students pursuing a major in Religion.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Describe and evaluate the scholarly methods used in the study of religion.
- Identify the basic concepts that make up a religious worldview (e.g., creation of the world, good and evil, salvation, and suffering).
- Identify and give examples of the universal forms of religious expression (e.g., sacred places, symbols, ethics, and rituals).
- Analyze the historical development and interaction among the major world religions.
- Identify and evaluate the key beliefs and characteristics of each of the current major world religions.
- Determine and appraise the various expressions of religious life (e.g., social and political) that are evident in different societies over time.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
PHIL410	God and World	3
RELS101	Introduction to the Study of Religion	3
RELS201	Introduction to World Religions	3
RELS202	Religion in America	3
RELS311	Introduction to the Bible	3
SOCI420	Sociology of Religion	3
Total Semester Hours		18

# Undergraduate Minor - Security Management

*Not open to students pursuing a major in Security Management.*

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Evaluate security management principles including the concepts of information security, personnel security, and physical security and determine the planning approaches to prevent business losses.
- Assess management theories and apply concepts of planning, resources, and authority to security organizations.
- Identify and discuss the major aspects of physical security, associated threats, and application of countermeasures.
- Establish how security managers test and align functional performance or their security organization incorporating legal issues and ensuring ethical approaches.
- Detect how a corporate security manager can effectively communicate strategic security issues and actions to other business departments and managers including drawing conclusions about assessing tangible and intangible assets.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
SCMT370	Principles and Theory of Security Issues	3
SCMT371	Legal and Ethical Issues in Security Management	3
SCMT373	Evaluation of Security Programs	3
SCMT374	Contemporary Issues in Security Management	3
SCMT390	Security Administration	3
SCMT397	Physical Security	3
Total Semester Hours		18

# Undergraduate Minor - Sociology

Not open to students pursuing a major in Sociology.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Examine methods for conducting research in social psychology.
- Discuss applied social psychology topics such as law, business, and health.
- Identify and discuss the major social issues that influenced the development of sociological theory.

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
SOCI111	Introduction to Sociology	3
SOCI212	Social Problems	3
SOCI213	Society, Interaction, and the Individual	3
SOCI303	Classical Sociological Theory	3
SOCI331	Research Methods for Sociology	3
SOCI403	Social Change	3
Total Semester Hours		18

# Undergraduate Minor - Sustainability Studies

This minor in Sustainability Studies offers background in resource and energy sustainability, which can be incorporated into many major disciplines, highlighting the interdisciplinary nature of the application of concepts in sustainability and green technologies. You will learn about founding principles in sustainability and integrate your knowledge of social and economic concepts with resource use and energy consumption. In addition, courses in the minor offer case study examples of application of sustainability practices from local planning to global resources scales.

Not open to students pursuing a major in Environmental Science.

## Minor Objectives

Upon successful completion of this minor, the student will be able to:

- Explain the foundational principles of resource and energy sustainability
- List current and emerging renewable energy technologies
- Explain society's dependence on fossil fuel and traditional energy sources
- Explain the social and economic barriers that prevent the acceptance and use of sustainable products, goods and services
- Apply the principles of sustainability to land use and development planning
- Assess the impact of green infrastructure and sustainable design on global resource sustainability

## Minor Requirements (18 semester hours)

Code	Title	Semester Hours
EVSP312	Introduction to Sustainability	3
EVSP320	Energy and Resource Sustainability	3
EVSP321	Land Use and Planning	3
EVSP322	Remote Sensing and Geographic Information Systems	3
EVSP418	Green Infrastructure and Renewable Technologies	3
EVSP421	Water Resources Management	3
Total Semester Hours		18

# Undergraduate Certificates

Certificate programs are available to students who seek a shorter program focused on career development or knowledge of a specific discipline. Students are required to take a minimum of 18 semester hours, although some certificates may require up to 26 semester hours. In some cases, credits from a certificate program can be applied to an associate or bachelor's degree. For example, a student who had previously completed a Fire Science Certificate might be able to apply those credits toward a Bachelor of Fire Science degree. Students may also choose to add a certificate to their associate or bachelor's degree; however, it may increase the total program requirements and/or reduce transfer credit that can be applied. We recommend discussing this with an academic advisor by emailing [Advising@apus.edu](mailto:Advising@apus.edu) before adding a certificate to your program.

- *Child Life*
- *Computer Systems and Networks* (p. 563)
- *Counterintelligence* (p. 564)
- *Cybercrime Essentials* (p. 565)
- *Cybersecurity* (p. 566)
- *Digital Forensics* (p. 567)
- *E-Commerce* (p. 568)
- *Emergency Management* (p. 569)
- *Employee Relations and Engagement*
- *Enterprise Web Applications* (p. 571)
- *Explosive Ordnance Disposal* (p. 573)
- *Family Studies* (p. 574)
- *Fire Science* (p. 575)
- *Fish and Wildlife Management* (p. 576)
- *Forensics* (p. 577)
- *Government Agency Administration*
- *Homeland Security* (p. 579)
- *Human Resource Management* (p. 580)
- *Infant and Toddler Care* (p. 581)
- *Information Security Planning* (p. 582)
- *Information Systems Security Essentials* (p. 583)
- *Instructional Design and Delivery* (p. 584)
- *Intelligence Analysis* (p. 585)
- *Internet Webmaster*
- *IT Infrastructure Security* (p. 587)
- *IT Project Management Essentials* (p. 588)
- *Law Enforcement Leadership* (p. 589)
- *Microsoft Office Applications* (p. 592)
- *Paralegal Studies* (p. 594)
- *Pre-Health*
- *Public Lands Management* (p. 596)
- *Real Estate Management* (p. 597)
- *Restaurant Operations* (p. 599)
- *Security Management* (p. 601)
- *Space Studies* (p. 602)
- *Strategic Leadership* (p. 603)

- *Terrorism Studies* (p. 606)
- *Visual Communications* (p. 609)

## **Suspended Programs**

- *Cloud Computing* (Effective 4/9/2024)
- *Enterprise Web Applications using .NET* (Effective 4/9/2024)
- *Foundations of Homeland Security* (Effective 4/9/2024)



# Undergraduate Certificate - Child Life

The undergraduate certificate in Child Life is ideal if you already have your bachelor's degree and wish to complete the coursework that can help to support the academic requirements to sit for the Certified Child Life Specialist (CCLS) examination. This 7-course online certificate teaches you a range of therapeutic activities designed to assist children and families facing stressful healthcare or traumatic events requiring coping support (counseling, grief support, advocacy, etc.). Completion of this certificate will help you stand out in the growing and competitive child life field where the CCLS is being increasingly recognized as a necessary component to pediatric care.

Note: Additional coursework may be needed depending on your bachelor's degree to fully meet the academic requirements to sit for the CCLS. In addition, all candidates for the CCLS examination must complete the required fieldwork/internship, which is not offered by the university. Additional information on these requirements can be found at [www.childlife.org](http://www.childlife.org) (<http://www.childlife.org>).

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Provide an overview of the field of child life theory and practice.
- Understand the issues faced by children and their families during times of acute or chronic illness.
- Provide evidence of professional level academic training in the field of child life.

## Programmatic Admission Requirements

The following is required for admission into this program. All documentation must be provided prior to course registration:

- Your official bachelor's degree transcript from an institution whose accreditation is recognized by the Council for Higher Education Accreditation (CHEA).
- Signed statement of understanding (SOU)

Please visit our AMU (<https://www.amu.apus.edu/admissions/undergraduate-requirements.html>) or APU (<https://www.apu.apus.edu/admissions/undergraduate-requirements.html>) undergraduate admission page for more information on institutional admission requirements.

Note: Your bachelor's field of study may impact the need for additional coursework to sit for the CCLS licensing examination. Please see the Child Life Council website (<https://www.childlife.org>) for more information.

## Need help?

If you have questions regarding a program's admission requirements, please contact an Admissions Coach at 877-755-2787 or [info@apus.edu](mailto:info@apus.edu).

## Certificate Requirements (21 semester hours)

Code	Title	Semester Hours
CHFD307	Child and Adolescent Development	3
CHFD340	Family Development	3
HDFS401	Child Life Theory and Practice	3
HDFS402	Benefits of Therapeutic Play	3
HDFS403	Death, Dying, and Grief	3
Select 1 course from the following:		3
SOCI331	Research Methods for Sociology	

PSYC300	Research Methods in Psychology	
Select 1 course from the following:		3
HIMA100	Medical Terminology	
PBHE215	Healthcare: Moral Issues	
HDFS496	Practicum Experience	
Total Semester Hours		21

# Undergraduate Certificate - Computer Systems and Networks

The undergraduate certificate in Computer Systems and Networks provides the education and skills necessary to configure, install, manage, and administer basic network infrastructures. In this online program, you will learn to build, repair, and troubleshoot networks, PCs, and peripherals that are often required for entry-level positions as a helpdesk support analyst, network administrator, PC specialist, or systems analyst. Some courses in this program aligned with the requirements of CompTIA A+® and CompTIA Network+® certification.

*CompTIA A+®/CompTIA Network+® certification is a registered trademark of Computing Technology Industry Association, Inc.*

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Evaluate CPU architectures.
- Evaluate the organization of the motherboard and the processes for monitoring and managing Windows® client operating systems.
- Appraise memory subsystems and bus architectures in computer systems.
- Analyze the formatting, protocols, and latency of storage subsystems.
- Examine the component architecture of notebook computers.
- Appraise the directory, file, registry, and event management systems and the methods to mitigate risk by minimizing the exposure of information and by improving access control.
- Investigate the processes for analyzing problems, synthesizing solutions, tracking progress, and managing customer relationships related to computer hardware systems.
- Investigate the process to configure Local Area Networks (LAN) and to optimize the utilization of memory, storage, and CPU resources.
- Assess the methodology to harden and secure operating systems and computer information.
- Analyze the layers of the Open Systems Interconnect (OSI) reference model, wireless and mobile networks, and multimedia networking, security in computer networks, and network management.
- Appraise the impact of computer systems and networks on global commerce and analyze the related societal, legal, and economic issues.

*Windows® is a registered trademark of Microsoft Corporation.*

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC221	Intermediate Computer Systems	3
ISSC322	Computer Systems Organization: Advanced	3
ISSC323	Computer Hardware Systems	3
ISSC231	Networking Concepts	3
ISSC343	Wireless Networks	3
ISSC421	Computer and Network Security	3
Total Semester Hours		18

# Undergraduate Certificate - Counterintelligence

The undergraduate certificate in Counterintelligence focuses on the fundamentals of how intelligence agencies in the U.S. use counterintelligence and covert action to protect U.S. national security and global interests from adversaries. You will study how counterintelligence is collected, and how modernization and technology affect the use of counterintelligence. This online certificate is ideal for undergraduate students who want to expand their knowledge of counterintelligence without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Acquire in-depth knowledge of Counterintelligence research, analysis, and operations.
- Analyze threats in the counterintelligence arena.
- Examine the role of the Counterintelligence professional in both overt and covert operational styles.
- Demonstrate proficiency in the use of selected research methods and tools as they pertain to the counterintelligence environment.
- Assess the different operational styles used throughout both the Counterintelligence and Intelligence analysis communities.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
INTL408	Counterintelligence Operations	3
INTL409	Counterintelligence Analysis	3
INTL410	Counterintelligence	3
Select 3 courses from the following:		9
INTL412	Espionage/Counterespionage	
INTL413	Denial and Deception	
INTL422	Open Source Collection	
INTL423	Human Intelligence	
INTL424	Interrogation	
Total Semester Hours		18

# Undergraduate Certificate - Cybercrime Essentials

The undergraduate certificate in Cybercrime Essentials presents digital forensics tools and techniques used to detect, recognize, document, and verify cybercrime, cyber terrorism, cyberwarfare, cyberstalking, and cyberbullying. The rapid change in technology and the exponential growth in cybercrime means more skilled professionals are necessary to combat the effects of computer-related malice. This certificate program is intended for undergraduate students who seek to heighten their knowledge of cybercrime without committing to an academic degree program.

Coursework in this undergraduate certificate program aligns to the general objectives of the International Association of Computer Investigative Specialists (IACIS®) certification and meets the topical requirements for the Department of Defense Directive 8570.1M Information Assurance Management (IAM) Technical I, Technical II, Technical III, Management I, Management II, and Management III categories.

*IACIS® is a registered trademark of the International Association of Computer Investigative Specialists, Inc.*

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Appraise the rudiments of cybercrime and computer forensics. Profile the challenges of securing information on the Internet.
- Assess the process, the techniques, and technologies used by hackers to gain unauthorized access to information systems.
- Examine the processes, best practices, and techniques to manage and prevent cybercrime.
- Inspect the strategies and steps to investigate digital evidence in cybercrime. Construct the legal portfolio of digital evidence to support the prosecution of cybercrime.
- Examine the file structures, formats and technical protocols in storage subsystems encountered in gathering digital evidence.
- Develop a plan to analyze the processes and practices to seize and secure digital evidence at a crime scene and to collect evidence in both the private and public sectors.
- Analyze the steps and process used to identify, secure, catalog, and store digital evidence.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC351	Computer Forensics	3
ISSC361	Information Assurance	3
ISSC422	Information Security	3
ISSC451	Cybercrime	3
ITMG371	Contemporary Internet Topics	3
ITMG281	Law, Privacy, and Digital Data	3
Total Semester Hours		18

# Undergraduate Certificate - Cybersecurity

The undergraduate certificate in Cybersecurity examines the digital forensics tools, techniques, and methods used by cyber analysts to detect cybercrime, cyber terrorism, cyber war, cyberstalking, and cyberbullying. This online program offers both introductory and advanced forensic science courses, along with an understanding of the social and legal impacts of cyber terrorism and cyber bullying. The curriculum for this program maps to the general objectives of the International Association of Computer Investigative Specialists (IACIS®) certification.

Cybersecurity experts are needed to keep systems and sensitive information secure and out of the hands of cyber criminals in government and the public safety sectors, as well as commercial industries. This certificate program is intended for undergraduate students who seek to heighten their knowledge of cybersecurity without committing to an academic degree program.

*IACIS® is a registered trademark of the International Association of Computer Investigative Specialists, Inc.*

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Demonstrate an understanding of the processes and goals of cyber forensics investigations.
- Assess and select Federal and State laws and legal concepts that affect how governments and organizations think about information security.
- Support the importance of search warrants and chain of custody in a forensic investigation.
- Apply the field of Cybersecurity and the regulatory standards and compliances.
- Gain the foundational knowledge and technologies needed to detect, investigate, and prevent computer-related crimes.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC331	Legal Issues in Information Security	3
ISSC351	Computer Forensics	3
ISSC451	Cybercrime	3
ISSC452	Cybersecurity	3
ISSC457	Digital Forensics: Investigating Network Intrusions and Cybercrime Security	3
ITMG281	Law, Privacy, and Digital Data	3
Total Semester Hours		18

# Undergraduate Certificate - Digital Forensics

The undergraduate certificate in Digital Forensics examines various forensics models to identify, preserve, collect, analyze, prepare, and present evidence for prosecuting cybercrime. The window of opportunity for collecting evidence can be a few seconds or minutes depending on the sophistication of the perpetrator, and this program teaches the precise digital forensic measures needed to respond to security incidents to prevent loss or corruption of sensitive proprietary information. This certificate program is intended for undergraduate students who seek to heighten their knowledge of digital forensics without committing to an academic degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Examine common incident response procedures via basic computer investigation processes and a good computer forensics lab for the development of investigative reports following first responder procedures.
- Investigate forensics of wireless network attacks, both caused by mobile and wireless peripheral devices, then evaluate security and access procedures within wireless Internet use subject search warrants and chain of custody in a forensic investigation.
- Explore web attacks, router forensics, e-mail tracking techniques, e-mail crime, and network forensics through investigation logs.
- Discuss corporate espionage and prevention techniques and computer-related crimes, such as sexual harassment and child pornography and the law.
- Analyze image files using forensic processes, recovered files on deleted partitions, data acquisition and duplication procedures, and steganography tools to create a forensic investigation case.
- Analyze file systems, hard disks, various types of digital media, tools, and applications that utilize password cracking on various operating systems.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC351	Computer Forensics	3
ISSC455	Digital Forensics: Investigation Procedures and Response	3
ISSC456	Digital Forensics: Investigating Wireless Networks and Devices	3
ISSC457	Digital Forensics: Investigating Network Intrusions and Cybercrime Security	3
ISSC458	Digital Forensics: Investigating Data and Image Files	3
ISSC459	Digital Forensics: Hard Disc and Operating Systems	3
Total Semester Hours		18

# Undergraduate Certificate - E-Commerce

The undergraduate certificate in Ecommerce helps you comprehend how businesses and organizations use the Web to buy and sell products and services online. This certificate will broaden your scope of understanding of ecommerce architecture, tools and technologies, as well as analytics, videography, search engine optimization (SEO), and content management systems. Specific jobs in the ecommerce field include online marketing and analytic managers, search engine optimization (SEO) specialists, web developers, content managers, product managers, and more. After completing this certificate, you may consider pursuing your Certified Internet Web (CIW®) Ecommerce Specialist certification.

CIW® is a registered trademark of Certification Partners, LLC.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Explain the evolution of e-commerce architecture.
- Summarize the social and economic influences of e-commerce.
- Assess the use of Web analytics, Web videography, search engine optimization, and Web content management systems to promote e-commerce.
- Compare traditional business models with growing Web technologies, Web analytics, Web videography, search engine optimization, and Web content management systems used for e-commerce.
- Develop management strategies that would incorporate e-commerce and achieve organizational missions.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
WEBD122	Introduction to Web Analytics	3
WEBD222	Advanced Web Analytics	3
WEBD300	User Interface Design	3
WEBD311	Internet Concepts	3
WEBD321	Web eCommerce Development	3
WEBD323	Search Engine Optimization	3
Total Semester Hours		18



# Undergraduate Certificate - Emergency Management

The undergraduate certificate in Emergency Management is designed to improve your knowledge of disaster planning, risk assessment, emergency operations, crisis communication, public policy, and disaster mitigation and recovery. With continual awareness on the need to assure sustainability in crisis situations, along with regulatory requirements on businesses to develop emergency management programs, there is growing need to prepare professionals in all walks of industry to understand, respond to, and manage crisis. This online certificate is intended for undergraduate students who want to expand their knowledge of emergency management without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Develop a core understanding of emergency management theory and concepts.
- Summarize the four phases of emergency management.
- Recognize the application of planning strategies for each phase of Emergency & Disaster Management.
- Assessing the role of social media in preparedness, response and recovery operations.
- Evaluate hazard identification and risk reduction techniques.
- Analyzing the role of public policy in managing threats to community sustainability.
- Examine the psychological impact of a disaster on rescuers and victims.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
EDMG101	Introduction to Emergency Management	3
EDMG220	Emergency Planning	3
EDMG230	Emergency and Disaster Incident Command	3
EDMG259	Hazard Mitigation and Preparedness	3
EDMG321	Social Media Application to Emergency and Disaster Management	3
PSYC431	Psychology of Disaster	3
Total Semester Hours		18

# Undergraduate Certificate - Employee Relations and Engagement

The undergraduate certificate in Employee Relations and Engagement focuses on organizational change, conflict resolution, motivation, and leadership. Today's employers require skilled managers with business acumen, interpersonal communication, relationship management and cultural awareness skills. Knowledge gained in this program is useful in professions requiring an understanding of leading and navigating employees to success through the creation of engaged, proactive relationships throughout the organization.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Identify employee relation strategies that prevent inappropriate or unlawful behavior in the workplace.
- Discuss how proactive employee relation strategies correlate to organizational success and increase employee morale.
- Describe how implementing a counseling/coaching/mentoring program encourages healthy relationships among leaders and followers as well as peer-to-peer encounters.
- Explore theories and concepts which explain how to gain acceptance and buy-in for change management initiatives within organizations.
- Construct a customized business unit model utilizing employee relation and engagement strategies to decrease employee turnover and improve employee communication.

## Certificate Requirements (15 semester hours)

Code	Title	Semester Hours
HRMT411	Dispute Resolution	3
HRMT413	Employment and Labor Relations	3
MGMT311	Organizational Behavior	3
MGMT313	Organizational Change	3
HRMT440	Managing Diversity and Inclusion Initiatives	3
Total Semester Hours		15

# Undergraduate Certificate - Enterprise Web Applications

The undergraduate certificate in Enterprise Web Applications focuses on the theories and skills necessary to design, develop, and implement robust enterprise web applications. You will be taught how to apply and use object-oriented programming (OOP), HTML, JavaScript®, and Java J2SE® and Java J2EE® and will examine the process to build and deploy real-world Java applications. One course in this program covers the CIW® JavaScript Specialist curriculum of the CIW JavaScript certification. After completing this certificate, you may consider pursuing your CIW Site Development Associate certification.

**Note:** While not a prerequisite, it is strongly recommended that you complete our undergraduate certificate in Web Publishing prior to enrolling in this program.

*JavaScript® is a registered trademark of Oracle America, Inc.*

*Java J2SE®/Java J2EE® is a registered trademark of Oracle America, Inc.*

*CIW® is a registered trademark of Certification Partners, LLC.*

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Assess the impact of Java 2 Standard Edition (J2SE) and Java 2 Enterprise Edition (J2EE) on Information Technology Management, on security, and on global economies as it applies to enterprise eCommerce solutions on the Web.
- Examine the principles and concepts of Object Oriented Programming (OOP) and evaluate the application of these principles in JavaScript and Java.
- Evaluate the power and advantages of XML that have made it the global standard for enterprise data exchange and data dictionary standardization.
- Explore and analyze the hierarchy of the Java Class Library; use the objects and properties to design and develop applications on the Web.
- Appraise the architecture, life cycle, management issues, and process for developing Java Server Pages (JSP) based, Java Servlets based, and JavaBeans based enterprise web applications.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ENTD200	Fundamentals of Programming	3
ENTD381	Object Oriented Programming With Java®	3
ENTD382	Intermediate Object-Oriented Programming With Java®	3
INFO222	Database Concepts	3
WEBD121	Web Development Fundamentals	3
WEBD241	Web Development Using JavaScript®	3
Total Semester Hours		18

# Undergraduate Certificate - Environmental Technology

The undergraduate certificate in Environmental Technology provides a foundational understanding of hazardous materials and waste management, environmental law and enforcement, and the management of pollution. This online program looks at the technical aspects of environmental technology and management through the implementation of environmental management systems, hazardous materials safety, and regulatory compliance programs. Emphasis is on the practical application of government regulatory, safety, and compliance measures for both private and public sector environmental professionals.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Define the theoretical foundation of the disciplines of environmental hazard mitigation and pollution management.
- Explain the regulatory, policy, and political influences on environmental management and sustainability.
- Develop management strategies that incorporate environmental compliance standards and achieve organizational missions.
- Describe the current and emerging technologies in the treatment, remediation, and disposal of environmental contaminants.
- Evaluate strategies and assess mitigation plans for environmental contaminants.
- Assess the consequences of the ecological impacts on public health and safety, and social and economic welfare.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
EDMG240	Chemistry of Hazardous Materials	3
EVSP320	Energy and Resource Sustainability	3
EVSP322	Remote Sensing and Geographic Information Systems	3
EVSP412		3
EVSP414	Air Quality Management	3
EVSP430	Pollution and Pollution Management	3
Total Semester Hours		18

# Undergraduate Certificate - Explosive Ordnance Disposal

The undergraduate certificate in Explosive Ordnance Disposal seeks to increase your knowledge of the science, history, construction, and handling of explosive substances, as well as proper disposal techniques and incident assessments. Law enforcement agencies, the military, and government contractors need skilled, knowledgeable bomb disposal technicians and first responders to assist in protecting public safety. This online certificate is intended for undergraduate students who wish to expand their knowledge of explosive ordnance disposal without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Recognize the historical basis of the development of the Explosive Ordnance Disposal field (EOD).
- Identify the differences between military and civilian EOD organizations.
- Select the appropriate use of technology/approach in rendering safe operations.
- Describe the basic electrical and electronic theory/circuitry used in triggering and controlling standard explosive devices and improvised explosives devices (IEDs).

## Certificate Requirements (19 semester hours)

Code	Title	Semester Hours
SCIN133	Introduction to Physics with Lab	4
HLSS215	Regulatory Issues in Weapons of Mass Destruction	3
HLSS230	Chemistry of Explosives	3
HLSS231	History of Explosive Ordnance Disposal	3
HLSS232	Electronics, Electricity, and Explosives	3
HLSS233	Explosive Incident Assessment: Methods, Practices, Protocols	3
Total Semester Hours		19

# Undergraduate Certificate - Family Studies

The undergraduate certificate in Family Studies is designed for students wishing to develop or enhance their knowledge and skills related to the provision of educational and support services to families, parents, and children. This 6-course online program examines how the individual's needs and perceptions affect family dynamics, and explores the spectrum from child development to the aging process. A focus on the military family is also provided.

**Note:** Completion of this certificate does not qualify you to apply for teaching licensure.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Examine the dynamics and cultural influences, such as ethnicity, within a family unit.
- Apply theoretical approaches to child rearing in families.
- Develop knowledge of practical skills for working with children and parents.
- Identify and examine the aging process and its effects on a family.
- Explore and discuss strategies and practices of healthy and effective marriages and family relations.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
CHFD340	Family Development	3
Select 5 courses from the following:		15
CHFD225	Introduction to the American Family	
CHFD307	Child and Adolescent Development	
CHFD331	Parenting	
CHFD348	Marriage and the Family	
CHFD360	Family Resource Management	
CHFD445	Family Communications	
CHFD446	Families and Social Action	
DEFM332	Transition and the Military Family	
Total Semester Hours		18

# Undergraduate Certificate - Fire Science

The undergraduate certificate in Fire Science provides a foundation in study of fire science, and introduces the essentials of fire behavior and combustion, fire prevention and protection systems, emergency services, and safety and survival. This online program follows the Fire and Emergency Services Higher Education Model Curriculum (FESHE), as outlined by the U.S. Fire Administration and National Fire Academy. This certificate program is applicable to a variety of fields including firefighting, fire inspection, and arson investigation. This online certificate is intended for undergraduate students who seek to expand their knowledge of fire science without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Explain the chemistry components of combustion and how combustion is managed through science.
- Identify the various fire protection systems currently used in today's building protection system.
- Identify construction methods and types of construction.
- Demonstrate use of risk analysis for a geographical community.
- Define the national fire flow formula for proper building protection and water supply.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
FSMT102	Fire Behavior and Combustion	3
FSMT188	Fire Prevention	3
FSMT201	Fire Protection Systems	3
FSMT210	Fundamentals of Fire Protection	3
FSMT287	Fire Protection in Building Construction	3
FSMT289	Fire Protection Hydraulics and Water Supply	3
Total Semester Hours		18

# Undergraduate Certificate - Fish and Wildlife Management

The undergraduate certificate in Fish and Wildlife Management examines the policies, regulations, and technical approaches to managing fish and wildlife population control and conservation. You'll be taught to develop strategies to ensure species survival in light of environmental and climatic change, and habitat degradation and fragmentation. Knowledge from this certificate program applies to many fields including state and federal fish and wildlife management agencies, nonprofits, and consulting companies.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Describe the fundamental concepts and principles of the management of fish and wildlife resources.
- Explain the impact of human activities on the survival and management of fish and wildlife populations.
- Identify the federal, state, and local agencies responsible for the management of fish and wildlife resources.
- List the competencies needed to become a professional fish or wildlife manager.
- Compare the effectiveness of fish and wildlife management techniques and methods.
- Explain the regulations, policies, and politics that influence the management of fish and wildlife in the U.S.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
EVSP330	Fish and Wildlife Policies, Programs, and Issues	3
EVSP341	Introduction to Wildlife Management	3
EVSP411	Environmental Policy, Regulation, and Law	3
Select 3 courses from the following:		9
EVSP331	Public Lands Management	
EVSP342	Population Ecology	
EVSP416	General Ecology	
EVSP421	Water Resources Management	

Total Semester Hours

18



# Undergraduate Certificate - Forensics

The undergraduate certificate in Forensics is designed to improve your knowledge of criminal behavior, analysis, profiling, evidence collection and processing, criminal liability, and criminal law. Skilled professionals are needed to serve as criminal profilers, forensic scientists, and crime scene investigators in government and law enforcement agencies. This online certificate is intended for undergraduate students who want to expand their knowledge of forensics without a commitment to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Determine the usefulness of trace elements for the forensic comparison of various types of physical evidence and relate the advantages of evidence collection from the forensic scientist's point of view.
- Explain how the science and art of profiling crime scenes, and subsequently offenders, from physical and psychological evidence is key to the investigation of crimes for which there is no known perpetrator.
- Analyze contemporary practices associated with investigating the manner and cause of sudden, unexpected, and violent death.
- Assess environmental influences and motivating factors that result in criminal behavior.
- Describe how approaches to profiling can be applied to assist in solving crimes.
- Discuss principles of criminal liability and the acts, mental state, and attendant circumstances that are central ingredients in crimes against society, persons, or property.
- Describe why a basic knowledge of chemistry and human anatomy is critical in the world of forensics.

## Certificate Requirements (23 semester hours)

Code	Title	Semester Hours
CMRJ306	Criminal Investigation	3
CMRJ329	Criminal Profiling	3
CMRJ335	Crime Analysis	3
CMRJ341	Criminalistics	3
CMRJ402	The Pathology of Death Investigations	3
SCIN131	Introduction to Chemistry with Lab	4
BIOL201	Principles of Anatomy and Physiology with Lab	4
Total Semester Hours		23

# Undergraduate Certificate - Government Agency Administration

Across the U.S., many find themselves running government agencies (police departments, fire departments, public works departments, etc.) without the full complement of knowledge, skills, and abilities (KSAs) required for the new tasks and responsibilities. The undergraduate certificate in Government Agency Administration (GAA) has been designed to meet the needs of these agency heads. The certificate program consists of 18 credit hours in needed content areas identified by subject matter experts (SMEs). Upon successful completion of the GAA certificate, the professional will have gained additional knowledge often required for the duties and responsibilities of government agency administration.

## Certificate Objectives

Upon completion of this certificate, the student will be able to:

- Compare and contrast the types of budgets, including line-item budgeting, performance budgeting, zero-based budgeting and capital budgeting.
- Prepare professional communications and documents for the government/business environment.
- Manage the concepts, skills, theories and techniques involving human resource management.
- Analyze the concepts and approaches that shape organizational strategic decision making by examining internal and external factors and influences.
- Formulate the execution of public policy in America.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
FINC405	Budget Development and Execution	3
ENGL226	Effective Business Communication	3
HRMT407	Human Resource Management	3
MGMT410	Strategic Management	3
POLS410	Public Policy	3
SSGS490	Independent Study	3
Total Semester Hours		18

# Undergraduate Certificate - Homeland Security

The undergraduate certificate in Homeland Security provides a broad comprehension of major national security threats including weapons of mass destruction, security vulnerabilities, intelligence, consequence management, and homeland defense. Experienced, skilled professionals are in needed to help organizations handle terrorist incidents and create proactive measures to protect public safety. This certificate is ideal for students currently working in public safety. This online certificate is designed for undergraduate students who want to expand their knowledge of homeland security without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Identify the key challenges for the 21st century facing not only U.S. homeland security strategy, but also those of other major actors that might become "peer competitors."
- Discriminate between valuable sources of information and those sources that are questionable.
- Differentiate between homeland security and homeland defense.
- Describe the national intelligence apparatus including FBI, CIA and NSA.
- Assess proposals for improvement in the state of homeland security.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
HLSS302	Introduction to Homeland Security and Defense	3
HLSS310	Critical Infrastructure Protection	3
HLSS322	Homeland Security Legal and Ethical Issues	3
Select 3 courses from the following:		9
HLSS154	Mind of a Terrorist	
HLSS212	Chemical, Biological, and Radiological Hazards	
HLSS215	Regulatory Issues in Weapons of Mass Destruction	
HLSS311	Border and Coastal Security	
HLSS312	Port Security	
HLSS320	Intelligence and Homeland Security	
Total Semester Hours		18

# Undergraduate Certificate - Human Resource Management

The undergraduate certificate in Human Resource Management is ideal if you already have an associate or bachelor's degree and want to take focused courses in employment relations, employee development, and other aspects of the human resources field. Courses for this online program are taught at the 300-400 level and cover concepts such as recruiting, compensation, and labor relations.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Identify various laws, rules, regulations and policies affecting employees in today's workplace.
- Discuss various compensation packages and incentives used in recruiting employees for various positions in an organization.
- Assess leading trends and issues in the field of Human Resource Management.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
HRMT407	Human Resource Management	3
HRMT412	Compensation and Benefits	3
HRMT413	Employment and Labor Relations	3
HRMT415	Human Resource Management Information Systems	3
HRMT416	Human Resource Development	3
MGMT310	Principles and Theory of Management	3
Total Semester Hours		18

# Undergraduate Certificate - Infant and Toddler Care

The undergraduate certificate in Infant and Toddler Care covers the planning and implementing of infant and toddler programs in group care settings. You'll look at topics such as infant and toddler developmental milestones, abnormal development and disease, parenting, and family dynamics. This concentrated, 6-course program is intended for undergraduate students who wish to further their knowledge in infant and toddler care without committing to a degree program.

**Note:** Completion of this certificate does not qualify you to apply for teaching licensure.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Identify cognitive, physical, social, and emotional changes that occur in early childhood.
- Explore the relationship between a child's development and interactions with parents, siblings, peers, and teachers.
- Examine the fundamentals of infant and toddler development including planning and implementation of programs in daycare.
- Develop knowledge of formal and informal methods of gathering data on young children.
- Apply interpersonal, group, and presentational communication skills that are applicable in personal and professional cross-cultural environments.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
CHFD210	Childhood Educational Development	3
CHFD212	Infant and Toddler Programs	3
CHFD308	Infant-Toddler Development	3
CHFD312	Special Needs Students	3
COMM240	Intercultural Communication	3
EDUC111	Observation Techniques	3
Total Semester Hours		18

# Undergraduate Certificate - Information Security Planning

The undergraduate certificate in Information Security Planning examines the principles of information systems attack and defense, and applies that knowledge to protect the information assets of an organization. You'll be taught how to design secure networks, develop security policies, use cryptography, and perform business continuity planning.

Courses in this program meet the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical II, Technical III, Management I, Management II, and Management III categories. Additionally, the National Security Agency (NSA) Information Assurance Courseware Evaluation (IACE) has certified some courses for this program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Assess the laws (national and federal), policies (including Sarbanes-Oxley Act), issues (social, psychological, legal, and management), risks, and controls related to information assurance and network security.
- Appraise the principles and concepts behind computer network defense (CND) methodology, robust codes, cryptography, authentication, authorization, non-repudiation, and commercially available security packages (PKI, PGP, Kerberos, SSL, VPN).
- Examine the processes, roles and responsibilities of management and security professionals in risk assessment, risk mitigation, security validation, policy enforcement, and personnel indoctrination.
- Assess the key components of the Physical Security Policy, Internet Security Policy, Email Security Policy, Encryption Security Policy, Software Development Security Policy, Authentication Security Policy, Network Security Policy, Acceptable Use Policy, and the policy that addresses viruses, worms, and Trojan horses.
- Assess the engineering discipline, process, techniques, tools, and technologies used by hackers to gain unauthorized access to the systems and appraise counter measures to mitigate this risk.
- Examine the plans, procedures, practices, and tools to ensure business continuity and to recover rapidly after an incident.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC361	Information Assurance	3
ISSC262	Red and Blue Team Security	3
ISSC422	Information Security	3
ISSC471	IT Security: Auditing	3
ISSC481	IT Security: Planning and Policy	3
ITMG281	Law, Privacy, and Digital Data	3
Total Semester Hours		18

# Undergraduate Certificate - Information Systems Security Essentials

The undergraduate certificate in Information Systems Security Essentials focuses on protecting information assets by ensuring availability, confidentiality, integrity, authenticity, and non-repudiation of information systems. This program concentrates on five key aspects of information security: hardware, software, networks, people, and policies. Security threats increase in number and severity at a faster rate than qualified security professionals can fill the necessary gap. Knowledgeable security professionals are needed even in a troubled economy, as businesses are forced to prioritize to invest in a secure digital environment.

Courseware in this online program is designed to prepare you for the CompTIA Security+® certification. It meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical III, Management II and Management III categories. Additionally, the National Security Agency (NSA) Information Assurance Courseware Evaluation (IACE) has certified some courses for this program.

*CompTIA Security+® is a registered trademark of the Computing Technology Industry Association, Inc.*

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Evaluate information security strategies, architectures and plans to counteract intruders in an information system.
- Appraise national and federal laws, policies, and guidance related to information assurance; also develop an awareness of the social, psychological, ethical, and legal policies and requirements in the field of information assurance.
- Examine and profile the various types of security attacks and exploits; also appraise various security technologies, such as: packet filtering, Stateful Packet Inspection (SPI), proxy technology, Network Address Translation (NAT), Public Key Infrastructure (PKI) authentication, and encryption.
- Analyze the concept and the functionality of firewalls, routers, Virtual Private Networks (VPN), and Intrusion Detection Systems (IDS).
- Appraise the role of security assessments, penetration testing, and security plans in establishing network security; also evaluate the components of a network security assessment methodology.
- Investigate methods of mitigating risk by minimizing the exposure of information to hackers and the techniques hackers use to avoid detection and to cover their electronic footprints.
- Develop an assessment methodology that identifies, attacks, and penetrates IP based network systems.
- Define public key cryptography, the purpose of digital certificates, and risk analysis and explain ways to securely manage operations.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC361	Information Assurance	3
ISSC262	Red and Blue Team Security	3
ISSC363	IT Security: Risk Management	3
ISSC421	Computer and Network Security	3
ISSC422	Information Security	3
ISSC461	IT Security: Countermeasures	3
Total Semester Hours		18

# Undergraduate Certificate - Instructional Design and Delivery

The undergraduate certificate in Instructional Design and Delivery focuses on how to develop curriculum and assessment for adult learners within online, face-to-face, and hybrid learning environments. In this online program, you will study leading theories and concepts of curriculum design, while learning to organize effective instruction that challenges and involves adult learners in ways that meet their diverse needs. Courses address topics such as pedagogy versus andragogy; organizing and managing adult learner instruction; creating courses, syllabi, objectives, and engaging activities; basics of curriculum and program evaluation; inclusiveness and accommodations; and assessment.

This concentrated, 6-course program is intended for undergraduate students who wish to further their knowledge in instructional design and teaching adult learners in academic settings and corporate/military training contexts without committing to a degree program.

**Note:** This program is not designed to prepare educators for work in K-12 public school settings and is not a degree program that would lead to state-level teaching certification.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Demonstrate effective professional and personal communication skills.
- Design curriculum for adult learning contexts.
- Use effective classroom management approaches in adult learning contexts.
- Apply adult learning theory.
- Apply learning and cognition theory in adult learning contexts.
- Design instructional assessments based upon measurement and evaluation theory.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
COMM285	Interpersonal Communications	3
EDUC320	Classroom Management	3
EDUC340	Adult Learning Theory	3
EDUC401	Curriculum Design	3
EDUC402	Measurement and Evaluation	3
PSYC303	Learning and Cognition	3
Total Semester Hours		18



# Undergraduate Certificate - Intelligence Analysis

The undergraduate certificate in Intelligence Analysis helps you to enhance your critical thinking and analytical skills required for gauging and forecasting potential threats to U.S. national security. You will study the fundamentals of intelligence analysis while looking at the historical evolution of the U.S. national intelligence. Topics in this 6-course certificate program focus on advanced qualitative analytic procedures, basic modeling, and predictive analysis skills. The online certificate is designed for undergraduate students who want to improve their knowledge of intelligence analysis without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Conduct basic research and provide professional analyses on issues critical to intelligence consumers.
- Identify the basic cognitive science principles that underlie human information processing and problem solving such as intelligence analysis.
- Complete intermediate-level analyses in selected areas critical to intelligence consumers.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
SSGS300	Research Design and Methods	3
INTL401	Critical Analysis	3
INTL402	Intelligence Analysis	3
INTL434	Threat Analysis	3
Select 2 courses from the following:		6
INTL419	Applied Geospatial Intelligence	
INTL431	Criminal Intelligence Analysis	
INTL432	Geographic Information Systems I	
INTL433	Geographic Information Systems II	
INTL446	Intelligence and Narcotics	
INTL454	Forecasting Terrorism	
Total Semester Hours		18

# Undergraduate Certificate - Internet Webmaster

The undergraduate certificate in Internet Webmaster aligns with the Certified Internet Webmaster (CIW®) Associate Design Specialist, CIW Web Design Specialist, and CIW Professional certifications, and brings you the essential skills required for website design and development. This online program focuses on the technical side of web design and looks at protocols, browsers, search engines, web services, and internet security. You'll also learn HTML5, cascading style sheets (CSS), graphics, tables, templates, frames, forms, snippets, and how to use Adobe Dreamweaver® and Adobe Flash®. Experience with scripting languages such as JavaScript® is strongly recommended prior to enrolling in this program.

*CIW® is a registered trademark of Certification Partners, LLC.*

*Adobe Dreamweaver® is a registered trademark of Adobe.*

*Adobe Flash® is a registered trademark of Adobe.*

*JavaScript® is a registered trademark of Oracle America, Inc.*

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Analyze the architecture, directory structures, document flow, and protocols of the World Wide Web.
- Compare and contrast the functions of network protocols; describe network transmission media and types and identify network architecture and topologies; and describe the Internet architecture model and Internet protocols.
- Assess the principles for designing web pages, including the content, typography, colors, images, and page layout; also examine the use of style sheets to enhance reusability and to design consistent interfaces.
- Investigate the principles and concepts of effective design for organizing information, for performing site design, and for determining the navigation structure.
- Examine the features, functions, and settings of e-mail and FTP; also evaluate the risks with using FTP.
- Differentiate between Web search engines, Web directories, and Web metasearch engines; also predict the future of Web search tools.
- Appraise Cascading Style Sheets (CSS) and apply this knowledge to develop web page and web site templates.
- Develop X/HTML code to create Web pages with images and image maps.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC231	Networking Concepts	3
WEBD121	Web Development Fundamentals	3
WEBD122	Introduction to Web Analytics	3
WEBD221	Intermediate Web Development	3
WEBD222	Advanced Web Analytics	3
WEBD311	Internet Concepts	3
Total Semester Hours		18

# Undergraduate Certificate - IT Infrastructure Security

The undergraduate certificate in IT Infrastructure Security covers the design of secure networks, and teaches how to develop risk mitigation plans and perform intrusion detection in IT network environments. This online program seeks to enhance your ability to assess, mitigate, and manage security risks in IT infrastructure.

The U.S. National Security Agency (NSA) and the Committee on National Security Systems (CNSS®) recognize this program as meeting the CNSS National Training Standards 4011 and 4013E, which are required for network security professionals who assist federal agencies in protecting the nation's vital information resources. Courseware in this online program meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical I category.

*CNSS® is a registered trademark of the National Security Agency.*

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Appraise the impact of operating system and network security on Information Technology Management and global ecommerce.
- Establish the need for a reference model and examine the Open Systems Interconnection (OSI) and Transmission Control Protocol/ Internet Packet (TCP/IP) reference models.
- Discuss the technical risks, performance factors and security issues related to operating system and network security on ecommerce, information technology management, and global commerce.
- Examine the principles that enable viruses, worms, and Trojan horses to propagate and proliferate throughout the system.
- Differentiate between active and passive intrusion detection and examine the scope and procedures for implementing border and firewall security.
- Appraise the process for assessing network and application security and analyze the corresponding risk mitigation strategies and techniques.
- Assess the configuration, functionality, and risks of filtering and evaluate security systems such as firewalls, border routers, switches, and intrusion detection systems sensors.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ISSC231	Networking Concepts	3
ISSC242	Hardening Operating Systems	3
ISSC262	Red and Blue Team Security	3
ISSC363	IT Security: Risk Management	3
ISSC421	Computer and Network Security	3
ISSC461	IT Security: Countermeasures	3
Total Semester Hours		18

# Undergraduate Certificate - IT Project Management Essentials

The undergraduate certificate in IT Project Management Essentials teaches management and organizational skills required to oversee complex enterprise-level projects. You will explore strategic planning and business systems analysis. You'll also learn the fundamental processes for integrating teams and harnessing resources, identifying scope and adapting to change, managing budgets and expectations, and guiding projects to completion with qualitative results. This online certificate is intended for undergraduate students who want to expand their knowledge of IT project management essentials without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Appraise the principles and practices for organizing, allocating, and managing project resources.
- Analyze the project management framework including the stakeholders, domains, phases, processes, integration, and life cycle.
- Examine the potential complexities and pitfalls in initiating and closing projects and assess methods to mitigate this risk.
- Appraise the unique challenges in managing the scope, time, and cost of IT projects.
- Assess the principles, strategies, challenges, and measures for managing quality and risk of IT projects.
- Analyze the phases, procedures, deliverables, and best practices for business systems analysis.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
INFO331	Management Information Systems	3
ITMG221	IT Project Management	3
ITMG223	IT Project Management Using Microsoft Project®	3
ITMG371	Contemporary Internet Topics	3
ITMG281	Law, Privacy, and Digital Data	3
ITMG421	Virtual Management	3
Total Semester Hours		18

# Undergraduate Certificate - Law Enforcement Leadership

The undergraduate certificate in Law Enforcement Leadership is designed to enhance leadership and management skills of chiefs of police and other current key state law enforcement command personnel by providing professionally relevant education at the undergraduate level. It offers you an improved understanding of organizational behavior, motivation, change, budget development, labor relations, human resources, and strategic planning.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Examine management techniques, principles, philosophies which are part of organization change and transformation.
- Develop a self-assessment of one's own leadership and motivation skills, knowledge, and attitudes.
- Integrate the principles used in formulating and executing a strategic plan.
- Evaluate the historical and current state of employment relations theory.
- Analyze the four phases of the budget cycle.
- Critique the concepts, skills, theories and techniques involving human resource management and HR practices in the workplace.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
CMRJ308	Ethics in Criminal Justice	3
CMRJ320	Law Enforcement Intelligence Applications	3
MGMT312	Leadership & Motivation	3
MGMT313	Organizational Change	3
Select 2 courses from the following:		6
FINC405	Budget Development and Execution	
HRMT407	Human Resource Management	
HRMT413	Employment and Labor Relations	
MGMT414	Strategic Planning	
Total Semester Hours		18

# Undergraduate Certificate - Meeting and Event Planning

The undergraduate certificate in Meeting and Event Planning is a concentrated overview of the multi-million dollar conference, exposition, and convention business. This online program brings you real-world experiences in planning, selling, and servicing meetings and conventions, with a focus on travel and tourism management. This online certificate is intended for undergraduate students who want to expand their knowledge of meeting and event planning without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Apply the steps involved in planning meetings and special events.
- Evaluate the administration and logistics of a given event scenario.
- Explain the environmental concerns involved in managing an event.
- Analyze elements of a client culture affecting meeting and event planning.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
HOSP100	Introduction to Hospitality Management	3
HOSP308	Meeting and Convention Planning	3
HOSP309	Convention Sales and Services	3
HOSP320	Business and Conference Hospitality Mgmt	3
HOSP410	Advanced Tourism and Hospitality Management	3
HOSP415	Destinations and Cultures	3
Total Semester Hours		18

# Undergraduate Certificate - Microsoft Access Database Applications

The undergraduate certificate in Microsoft Access® Database Applications provides you with hands-on instruction in developing entity relationship diagrams, data models, databases, table structures, and graphical user interfaces (GUI). You will study the theories behind database development while interacting with databases using ANSI® standard SQL. This online program is intended for undergraduate students who want to expand their knowledge of Microsoft Access database applications without committing to a degree program.

Microsoft Access® is a registered trademark of Microsoft Corporation.

ANSI® is a registered trademark of the American National Standards Institute.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Differentiate between the hierarchical, network, relational, and object-relational database models; and demonstrate the need for procedural language facilities in the world of American National Standards Institute (ANSI) standard SQL.
- Examine the process for developing entity diagrams, designing databases, developing database applications, managing databases, implementing data integrity, assuring information, and implementing transaction processing.
- Assess the impact and issues related to relational databases, entity diagrams, and PL/SQL on Information Technology Management, enterprise applications, and global e-commerce.
- Analyze the need, objective, and principles of normalization to engineer and design databases.
- Evaluate the concepts and principles of integrity (including referential integrity and transactional integrity) in the context of relational database design.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
INFO161	Relational Databases with MS Access: Introduction	3
INFO221	Relational Database Concepts	3
INFO261	Relational Databases with MS Access®: Advanced	3
INFO262	Relational Databases with MS Access®: Project	3
INFO331	Management Information Systems	3
WEBD121	Web Development Fundamentals	3
Total Semester Hours		18

# Undergraduate Certificate - Microsoft Office Applications

The undergraduate certificate in Microsoft Office® Applications is designed to increase your knowledge of the concepts and technology trends essential to office productivity applications. You will study the principles, practices, features, and functions of word processing, spreadsheet, presentation, and communications applications in the Microsoft Office suite, as well as Internet concepts and emerging Web 2.0 technologies.

Because the Microsoft Office suite is commonly used in a variety of work environments and professions, the knowledge acquired through this program is applicable to a variety of career options in business, education, technology, medicine, science, and education. After completing this certificate, you may consider pursuing your certification as a Microsoft Office Specialist (MOS) in the following areas: Microsoft Office Word® 2013, Microsoft Office Excel® 2013, Microsoft Office PowerPoint® 2013, and Microsoft Office Outlook® 2013.

*Microsoft Office® is a registered trademark of Microsoft Corporation.*

*Microsoft Office Word® is a registered trademark of Microsoft Corporation.*

*Microsoft Office Excel® is a registered trademark of Microsoft Corporation.*

*Microsoft Office PowerPoint® is a registered trademark of Microsoft Corporation.*

*Microsoft Office Outlook® is a registered trademark of Microsoft Corporation.*

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Communicate the impact of the Microsoft Application Suite on IT Management as it applies to office productivity, collaboration, and security.
- Demonstrate use of productivity software such as Microsoft Word to create lists, themes, mail merges, watermarks, templates, graphics, navigation tools, tables, charts, citations and bibliographies.
- Demonstrate use of productivity software such as Microsoft Excel to create and format spreadsheets, manipulate data, and use formulas, charts, conditional logic, graphics, and security features.
- Demonstrate use of productivity software such as Microsoft PowerPoint to set up presentations, transitions, animations, and timing.
- Demonstrate use of Microsoft Access Relational Database Management System (RDBMS) to design and develop a database application that includes user interfaces, form design, data analysis, and data presentation.
- Assess the functionalities of other Microsoft productivity software.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ITCC111	Basic Productivity Applications	3
ITCC112	Advanced Productivity Applications	3
ITCC113	Office Presentation Applications	3
ITMG223	IT Project Management Using Microsoft Project®	3
ITCC200	Application Software Integration	3
INFO221	Relational Database Concepts	3
Total Semester Hours		18



# Undergraduate Certificate - Mobile Computing

**Note:** *This certificate is not currently available for admission.*

The undergraduate certificate in Mobile Computing addresses the rapid evolution of mobile usage and explores the impact this technology has in advancing systems, communications, and societies worldwide. You will study the primary standards and techniques for mobile computing, including website and application design, development, testing, and implementation. The curriculum instructs best practices and procedures for utilizing the iterative process and for deploying mobile applications in the target platform environment. This interdisciplinary program was designed to complement our popular IT programs and their extensive learning communities.

Note: Experience with programming languages and familiarity with object-oriented programming languages is strongly recommended for this certificate.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Explain the benefits of designing and developing mobile application software to support mobile computing devices.
- Summarize the social and economic influences of mobile computing.
- Demonstrate use of guidelines and techniques associated with mobile application design, development, and deployment.
- Analyze, design, develop, write, test and deploy mobile applications into the target platform environment.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ENTD200	Fundamentals of Programming	3
ENTD313	Mobile Application Design and Development	3
ENTD380	Introduction to Object Oriented Programming with Java®	3
ENTD381	Object Oriented Programming With Java®	3
ENTD323	App Development	3
ENTD413		3
Total Semester Hours		18

# Undergraduate Certificate - Paralegal Studies

The undergraduate certificate in Paralegal Studies focuses on legal terminology, research, writing, legal theory, and legal concepts. Employers such as law firms, businesses with legal departments, government agencies, and nonprofits require skilled employees with legal expertise, critical thinking skills, and analytical skills. Knowledge gained in this program can be useful in professions requiring an understanding of law and the court system. This online certificate is intended for undergraduate students who want to expand their paralegal skills without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Apply legal research methods and techniques that are used in the practice of law.
- Develop skills in legal reasoning, identifying and effectively using legal resources, and writing legal documents.
- Evaluate the importance of secondary sources in legal research.
- Describe the primary rules and sources and roles of each in legal research.
- Distinguish how advice, persuasion, and advocacy enter into legal research.
- Demonstrate knowledge of the nature and function of the law and the application of critical thinking and analytical skills.
- Comprehend and describe what a paralegal is and how one fits into the legal system.

## Certificate Requirements (24 semester hours)

Code	Title	Semester Hours
LSTD100	Introduction to Law for Paralegals	3
LSTD201	Litigation	3
LSTD202	Real Estate Law	3
LSTD203	Criminal Law and Procedure for the Paralegal	3
LSTD205	Legal Research and Writing	3
LSTD207	Civil Practice and Procedure	3
LSTD210	Legal Ethics	3
LSTD300	Administrative Law and Policy	3
Total Semester Hours		24

# Undergraduate Certificate - Pre-Health

The Pre-Health Certificate provides a foundation for students who are interested in the healthcare field. General Education courses in the humanities, sciences, and mathematics provide a strong foundation for further studies in allied healthcare fields. The curriculum is composed of classroom and laboratory experiences that serve as admission and prerequisite requirements in most nursing and other healthcare-related degree programs.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Form strong academic habits and skills required to enter healthcare related academic programs
- Establish a strong foundation in the arts and sciences
- Prepare for advanced study in nursing and other related healthcare fields

## Program at a Glance

Code	Title	Semester Hours
	Certificate Requirements	23
	Elective Requirements	3
	Total Semester Hours	26

## Program Requirements

### Certificate Requirements (23 semester hours)

Code	Title	Semester Hours
CHEM133	General Chemistry I with Lab	4
BIOL133	General Biology I with Lab	4
BIOL202	Principles of Microbiology with Lab	4
BIOL250	Human Anatomy and Physiology with Lab I	4
BIOL251	Human Anatomy and Physiology with Lab II	4
MATH110	College Algebra	3
	Total Semester Hours	23

### Elective Requirements (3 semester hours)

Code	Title	Semester Hours
	Select any courses that have not been used to fulfill certificate requirements.	3
	Total Semester Hours	3

# Undergraduate Certificate - Public Lands Management

The undergraduate certificate in Public Lands Management explores the origins of national parks, forests, and refuges, and studies the tools and techniques used by land managers to provide ecosystem services to the public. These tools help you to develop an understanding of regulatory and policy issues, the use of remote sensing and geographic information systems technology, and the application of land preservation and protection strategies. You will examine fundamental land use controls such as zoning, land use policy, and contemporary management techniques. Knowledge gained in this certificate is helpful in the forestry, land conservation, and land management fields. This online certificate is intended for undergraduate students who want to expand their knowledge of public lands management without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- List the federal, state, and local agencies that manage public lands in the U.S.
- Explain the regulatory, policy, and political influences on public lands management.
- Develop management strategies for the management of public lands that balance competing needs and uses.
- Describe the techniques and strategies used to manage fish and wildlife resources on public lands.
- Evaluate land use, development, and management plans within and adjacent to public lands.
- Assess the current status of public lands and its contribution to the social and environmental sustainability of the U.S.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
EVSP321	Land Use and Planning	3
EVSP322	Remote Sensing and Geographic Information Systems	3
EVSP330	Fish and Wildlife Policies, Programs, and Issues	3
EVSP331	Public Lands Management	3
EVSP411	Environmental Policy, Regulation, and Law	3
EVSP421	Water Resources Management	3
Total Semester Hours		18

# Undergraduate Certificate - Real Estate Management

The undergraduate certificate in Real Estate Management is a concentrated program offering broad-based knowledge of core areas within the real estate field. This online certificate provides a good foundation in real estate topics including real estate law, property management, deeds and leases, insurance, marketing, and negotiation for both aspiring and current real estate professionals. This online certificate is intended for undergraduate students who want to expand their knowledge of real estate management without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Develop a foundational knowledge of management, development, and financing of real estate.
- Discuss the foundations of real property value and review the elements of the appraisal process – from the value definition to reconciliation and conclusion.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
BUSN120	Real Estate Principles	3
BUSN121	Real Estate Practice	3
BUSN220	Real Estate Finance	3
BUSN221	Real Estate Appraisal	3
BUSN222	Real Estate Property Management	3
LSTD202	Real Estate Law	3
Total Semester Hours		18

# Undergraduate Certificate - Regional and Community Planning

The undergraduate certificate in Regional and Community Planning offers both theory and practical skills in land use planning, including hazard mitigation and preparedness, sustainable design principles, energy and resource sustainability, remote sensing, geographic information systems, and environmental impact assessment. You will learn to assess the overall impact that development projects have on the surrounding environment and the quality of life for community inhabitants. This online certificate is intended for undergraduate students who want to expand their knowledge of regional and community planning without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Identify critical issues in landscape level planning and development that affect regional and local environmental planners and assess their implications on the environment and quality of life for the citizenry.
- Assess the resource needs (energy, water resources, sustainability, greenspace, etc.) of a population and develop strategies for meeting them.
- Describe innovative approaches, alternative actions, and strategic planning efforts needed to resolve complex, landscape-level land use planning problems and meet the needs of multiple and varied stakeholders.
- Assess leading trends and challenges in the fields of Local and Regional Planning, Landscape-level Planning, and Environmental Assessment and Impact.
- Describe current and emerging technologies in sustainable land use planning and energy development and discuss appropriate applications.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
EDMG259	Hazard Mitigation and Preparedness	3
EVSP312	Introduction to Sustainability	3
EVSP320	Energy and Resource Sustainability	3
EVSP321	Land Use and Planning	3
EVSP322	Remote Sensing and Geographic Information Systems	3
EVSP415	Environmental Impact Assessment	3
Total Semester Hours		18

# Undergraduate Certificate - Restaurant Operations

The undergraduate certificate in Restaurant Operations is a concentrated program that explores the essentials of front-office and behind-the-scenes operations related to food service management. In this online program, you will examine current managerial techniques and tools to effectively operate a wide variety of restaurants. Topics covered help to provide practical skills often required of a food service manager, or restaurant owner or employee. This certificate would also be a good addition to a business or management degree.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Apply proper food safety and sanitation procedures to meet industry standards and governmental regulations.
- Demonstrate application of theory and concepts as they relate to the various responsibilities of a foodservice manager.
- Practice current managerial techniques and trends to support the goals of a restaurant.
- Interpret financial data as it relates to an operation's goals.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
HOSP100	Introduction to Hospitality Management <sup>1</sup>	3
Select 5 courses from the following:		15
HOSP101	Foodservice Sanitation	
HOSP200	Food and Beverage Management	
HOSP202	Quantity Food Preparation	
HOSP203	Hotel and Restaurant Purchasing	
HOSP204	Introduction to Hotel and Restaurant Law	
HOSP207	Principles of Cost Control in Foodservice Operations	
HOSP400	Quality Service Management	
Total Semester Hours		18

<sup>1</sup> Required as the first course in this program

# Undergraduate Certificate - Retail Management

The undergraduate certificate in Retail Management is a concentrated program that provides the basic skills needed to update or broaden your skills in the dynamic and fast-growing retail industry. This online program will focus on interpersonal, managerial, and critical thinking skills necessary for success in the retail industry. Completion of this 6-course certificate can help you develop new skills if you are currently working in the retail field. This online certificate is intended for undergraduate students who want to expand their knowledge of retail management without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Define the basics of retail management functions/principles and explore ideal characteristics of a good manager.
- Define the basics of customer relations functions/principles and explore ideal characteristics of good customer relations as applied to individuals in both small/large organizations.
- Describe the importance of retail inventory management knowledge when viewing fundamental organizational requirements, recognize retail inventory skills required of managers, understand competitive dimensions, and describe how productivity is measured.
- Identify the goals of financial management and retail financial strategy.
- Decipher risk management planning and its use, how risk management tenets can be applied to the Manager role, and how to implement a policy and evaluate compliance.
- Identify various challenges that face retail leaders in both the private and public sector, understand commercial safety issue, and identify how to create/maintain a safe work environment.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
RTMG150	Retail Organization Fundamentals	3
RTMG200	Customer Relations	3
RTMG201	Retail Inventory Management	3
RTMG202	Risk Management	3
RTMG204	Finance Fundamentals	3
RTMG302	Retail Operations	3
Total Semester Hours		18



# Undergraduate Certificate - Security Management

The undergraduate certificate in Security Management focuses on the principles and theories associated with various types of security, from physical security to security administration that focuses on the protection of assets. Many organizations need experienced security managers, security guards, and security officers to protect businesses' assets and to proactively prevent internal or external attacks. Field work in the areas of executive protection and recovery, trade secret protection, background investigations, surveillance, IT security, and cybersecurity are but a few choices available in the security management field. This online certificate is intended for undergraduate students who want to expand their knowledge of security management without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Demonstrate knowledge of the basic terms in security management and its theories.
- Assess management theories and apply concepts of planning, resources, and authority to security organizations.
- Identify and discuss the major aspects of physical security, associated threats, and application of countermeasures.
- Explain the basic procedures and rules of personnel security and the specialized terms associated with information security.
- Draw conclusions about the role a security leadership has in establishing the foundation of private security programs.
- Establish how security managers test and align functional performance or their security organization incorporating legal issues and ensuring ethical approaches.
- Evaluate and use a methodology of quality assurance including the merits of a performance-based standards approach towards total asset protection.
- Draw conclusions about a value added contribution in the world of tangible and intangible assets.
- Detect how corporate security managers can effectively communicate strategic security issues and actions to other business departments and managers.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
SCMT370	Principles and Theory of Security Issues	3
SCMT371	Legal and Ethical Issues in Security Management	3
SCMT373	Evaluation of Security Programs	3
SCMT374	Contemporary Issues in Security Management	3
SCMT390	Security Administration	3
SCMT397	Physical Security	3
Total Semester Hours		18

# Undergraduate Certificate - Space Studies

The undergraduate certificate in Space Studies looks at spaceflight history, space policy, and planetary exploration. This online certificate also surveys the government and industry participants from the space race starting in the '60s through today. The curriculum for this online certificate was originally designed by former NASA astronaut and Dean of Science and Technology Dr. James Reilly, veteran of three shuttle missions and five spacewalks. You will have the opportunity to learn from leading practitioners working in national and private space, aerospace, and related organizations. This certificate is intended for undergraduate students who want to expand their knowledge of space studies without committing to one of our space studies degree programs.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Describe the principles of manned and unmanned flight, both within and outside of Earth's atmosphere.
- Categorize the history of space exploration, from early rocketry efforts to the International Space Station and beyond.
- Analyze space policies including the cooperation / diplomacy between various space faring nations.
- Diagram the history of planetary and space exploration, with emphasis on the role of unmanned and manned spacecraft.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
MATH111	College Trigonometry	3
SPST200	Introduction to Space Studies	3
SPST201	Introduction to Space Flight	3
SPST203	History of Space Flight	3
SPST307	Space Policy	3
SPST435	Planetary and Space Exploration	3
Total Semester Hours		18

# Undergraduate Certificate - Strategic Leadership

The undergraduate certificate in Strategic Leadership is a concentrated program designed to help you develop the skills needed for effective leadership and workforce management. Topics include leadership, motivation, performance management, information systems, organizational change, and staffing. This online program is suited to undergraduate business or management students who want to improve their leadership abilities for use in different organizations.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Construct a strategic plan of staffing requirements for a new initiative that an organization has undertaken.
- Prepare a performance management appraisal for a direct report.
- Produce an icebreaker that can be introduced at a departmental meeting in an effort to promote unity among the team and establish a healthy culture in the work environment.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
HRMT407	Human Resource Management	3
HRMT415	Human Resource Management Information Systems	3
HRMT419	Recruitment and Staffing	3
MGMT312	Leadership & Motivation	3
MGMT313	Organizational Change	3
MGMT410	Strategic Management	3
Total Semester Hours		18

# Undergraduate Certificate - Sustainability

The undergraduate certificate in Sustainability offers you the opportunity to study resource and energy use and policy, emerging renewable energy technologies, and the societal and economic barriers to implementation of sustainable practices. You will also develop your ability to plan and implement integrated, practical solutions that ultimately contribute to national and global resource conservation. This online certificate is intended for undergraduate students who want to expand their knowledge of sustainability without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Explain the foundational principles of resource and energy sustainability.
- List current and emerging renewable energy technologies.
- Explain society's dependence on fossil fuel and traditional energy sources.
- Explain the social and economic barriers that prevent the acceptance and use of sustainable products, goods and services.
- Apply the principles of sustainability to land use and development planning.
- Assess the impact of green infrastructure and sustainable design on global resource sustainability.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
EVSP312	Introduction to Sustainability	3
EVSP320	Energy and Resource Sustainability	3
EVSP321	Land Use and Planning	3
EVSP322	Remote Sensing and Geographic Information Systems	3
EVSP418	Green Infrastructure and Renewable Technologies	3
EVSP421	Water Resources Management	3
Total Semester Hours		18

# Undergraduate Certificate - Technical Management

The undergraduate certificate in Technical Management examines management and business functions through an analytical approach. You will focus on concepts and the latest technologies, which will assist you in developing more technical expertise in design, development, and integration of systems. Courses completed in this certificate program can be directly applied toward the associate degree or bachelor's degree in technical management.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Examine leadership and motivational models, theories, and concepts as they relate to developing a healthy culture and successful workforce within a technical environment.
- Evaluate complex developmental concepts and latest technologies.
- Develop technical expertise in design, development, and integration of systems.
- Analyze and interpret data obtained via analytical approaches.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ACCT105	Accounting for Non Accounting Majors	3
BUSN100	Basics of Business	3
BUSN250	Analytics I	3
BUSN311	Law and Ethics in the Business Environment	3
EDMG220	Emergency Planning	3
MGMT312	Leadership & Motivation	3
Total Semester Hours		18

# Undergraduate Certificate - Terrorism Studies

The online undergraduate certificate in Terrorism Studies provides an overview of various terrorist groups, their histories, and their objectives. This 6-course certificate of study teaches how to define the causes and effects of terrorism and how to interpret religious and political motivations that spark violent attacks. In addition, you'll learn analytical methods, predictive tools, and effective procedures on how best to deter or protect against potential threats. Terrorist incidents occur through various online and offline channels, making protecting people and organizational assets a top priority for many organizations. In order to mitigate terror escalations and prepare for emerging dangers, many professionals in the intelligence and public safety communities are expanding their knowledge and skills through education. This online certificate is designed to support these educational goals.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Investigate the causes and support mechanisms of international and domestic terrorism.
- Examine the history of terrorism and its fundamental variations: domestic; trans-national; state-conducted; state-aided, and independent.
- Employ indication and warning and predictive intelligence methods to forecast pending terrorist attacks.
- Examine effective methods of counter terrorism, response to reduce the effects locally, nationally, and globally.
- Explore the ideological forces behind terrorism and provide an overview of terrorist groups and their intimidation and fear tactics.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
Select 6 courses from the following:		18
HLSS154	Mind of a Terrorist	
HLSS212	Chemical, Biological, and Radiological Hazards	
INTL440	Cyber Warfare	
INTL450	Terrorism and Counterterrorism	
INTL451	Terrorism and U.S. National Security	
INTL453	Illicit Finance	
INTL454	Forecasting Terrorism	
Total Semester Hours		18

# Undergraduate Certificate - United Nations

The undergraduate certificate in United Nations is designed to improve your knowledge of the United Nations and its global role in conflicts, mediation, diplomacy, peacekeeping, and international law. Knowledge gained from this online certificate program is applicable to many fields at the U.N. or other federal agencies, international organizations, and non-governmental organizations providing peacekeeping operations or humanitarian assistance.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Comprehend the theory and politics of conflict, war, mediation, and diplomatic negotiations.
- Evaluate the potential for conflict in a country or region.
- Assess the rationale for negotiation and the lifecycle of a conflict situation.
- Explain the various approaches toward United Nations peace operations
- Evaluate the development of multiparty mediation and assess the benefits and drawbacks of such an approach.
- Analyze the complexity and limitations of negotiating across cultures and diverse groups.
- Describe the distinct nature of conflict in the post-Cold War era.

## Certificate Requirements (24 semester hours)

Code	Title	Semester Hours
Select 8 courses from the following:		24
IRLS210	International Relations I	
IRLS301	International Organizations	
IRLS402	International Law and Regimes	
INTL451	Terrorism and U.S. National Security	
IRLS413	International Conflict Resolution	
IRLS414	Principles of Peacekeeping	
IRLS415	Peacekeeping Logistics	
IRLS417	International Civil Order	
MILH422	History of Peacekeeping: 1988-Present	
Total Semester Hours		24

# Undergraduate Certificate - Visual Basic Application Development

The undergraduate certificate in Visual Basic® Application Development focuses on the principles and practices necessary to design, develop, and deploy Web applications using the Visual Basic interactive development environment (IDE). You'll learn to apply Visual Basic applications for real-world environments while focusing on object-oriented programming languages and frameworks. The skills you'll learn from this online certificate may be useful in many organizations that require the creation of custom programs to fulfill business objectives such as accurate data analysis and productivity improvement. This certificate program is intended for undergraduate students who seek to heighten their knowledge of Visual Basic application development without committing to an academic degree program.

*Visual Basic® is a registered trademark of Microsoft Corporation.*

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Discuss the impact of the .NET framework on IT Management, Security, and Global Economies as it applies to enterprise ecommerce solutions on the Web.
- Explore and analyze the hierarchy of the Framework Class Libraries (FCL); use the objects and properties to design and develop applications on the Web.
- Appraise the architecture, the life cycle, management issues, and process for developing Visual Basic and ASP Web applications.
- Differentiate between traditional programming and event-driven programming and also between traditional programming and object oriented programming (OOP); examine the application of OOP in the Visual Basic IDE.
- Appraise the features, functionality, power, and advantages of Visual Basic.NET that have made it a viable tool for Web site design, development, deployment, and management.
- Analyze the ASP.NET facilities to establish and maintain state between connections within the context of the stateless and connectionless HTTP protocol.
- Assess the provisions in VB.NET for performing component-based programming, exception handling, and interface-based programming; also assess their impact on IT Management.
- Discuss the architecture, advantages, and functionality of both ADO.NET and the Active-X component architecture; also explain the concept of connection pooling.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
ENTD200	Fundamentals of Programming	3
ENTD261	Scripting Languages for the Administrator	3
ENTD460	Desktop Development with .NET Framework	3
ENTD462	Enterprise Development Using ASP.NET	3
ENTD463	Enterprise Development Using C#	3
WEBD241	Web Development Using JavaScript®	3
Total Semester Hours		18



# Undergraduate Certificate - Visual Communications

The undergraduate certificate in Visual Communications introduces you to the basic fundamentals of graphic design, animation, image manipulation, image enhancement, and image storage. You'll learn how to design, develop, and deploy moving text and graphics to create dynamic and interactive digital experiences. This online program also provides an introduction to website design and development to help you obtain a well-rounded set of visual design skills. This certificate program is intended for undergraduate students who seek to heighten their knowledge of visual communication without committing to an academic degree program.

This hands-on program covers the Site Development Associate curriculum and the Web Design curriculum of the CIW Web Foundations Associate certification. After completing this certificate, you may consider pursuing your CIW Web Design Specialist® certification.

*CIW Web Design Specialist® is a registered trademark of Certification Partners, LLC.*

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Discuss the purpose and usage of smart objects, layers and vectors in editing, also differentiate between a raster image and a vector image; also detail the layer concepts of hiding, linking, and setting layer styles.
- Detail the capabilities of Adobe Photoshop® as a tool for editing and restoring digital images; also describe the process for enhance digital images by manipulating sharpness, color, contrast, hue, brightness and resolution.
- Appraise the principles and concepts of effective design for organizing information, performing site design, and determining the navigation structure.
- Assess the principles for designing Web pages, including the content, typography, colors, images, and page layout; also examine the use of style sheets to enhance reusability and to design consistent interfaces.
- Compare and contrast the various image file formats on the Web, including GIF, JPG, PNG, and SVG.
- Assess the utility of Adobe Flash® technology in streaming animations on Web sites; also assess the use of tweens, anchors, guides, and onions skins to develop Web animations.

*Adobe Photoshop® is a registered trademark of Adobe.*

*Adobe Flash® is a registered trademark of Adobe.*

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
DSIN141	Image Enhancement using Adobe Photoshop®	3
DSIN143	Design Using Adobe InDesign®	3
DSIN241	Illustration & Design Using Adobe Illustrator®	3
WEBD121	Web Development Fundamentals	3
WEBD221	Intermediate Web Development	3
WEBD300	User Interface Design	3
Total Semester Hours		18

# Undergraduate Certificate - Weapons of Mass Destruction Preparedness

The undergraduate certificate in Weapons of Mass Destruction Preparedness is a concentrated program within the discipline of homeland security. You will study the various weapons of mass destruction, incident command, regulatory issues, and consequence management. You'll also look at the psychological and behavioral perspectives of terrorism, along with chemical, biological, and radiological hazards. Skilled and knowledgeable individuals are needed in many organizations to combat potential terrorist threats and protect people and organizational assets. This online certificate is intended for undergraduate students who want to expand their knowledge of weapons of mass destruction without committing to a degree program.

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Describe the threat posed to society by chemical, biologic, radiological and nuclear (CBRN) weapons.
- Name the state and non-state actors most likely to obtain weapons of mass destruction.
- Identify the motivation, ease and constraints on both state and non-state actors in acquiring CBRN weapons.
- Describe countermeasures available to US agencies fighting terrorism.
- Determine the role of the federal government in disaster response.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
HLSS154	Mind of a Terrorist	3
HLSS212	Chemical, Biological, and Radiological Hazards	3
HLSS215	Regulatory Issues in Weapons of Mass Destruction	3
HLSS302	Introduction to Homeland Security and Defense	3
HLSS305	Private Sector Homeland Security	3
HLSS312	Port Security	3
Total Semester Hours		18

# Undergraduate Certificate - Web 2.0

The undergraduate certificate in Web 2.0 surveys the concepts, tools, and best practices used to build websites, blogs, forums, discussion boards, online communities, and wikis. You will review the various methods of posting information from blogs into webpages using RSS and Atom techniques, and will examine how Web 2.0 has increased global communication, information sharing, and business success in many industries. Prior experience with scripting languages such as JavaScript® is recommended.

After completing this certificate, you may consider pursuing your CIW® JavaScript Specialist, CIW Web Foundations Associate, or CIW Web Design Specialist certification.

*JavaScript® is a registered trademark of Oracle America, Inc.*

*CIW® is a registered trademark of Certification Partners, LLC.*

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Analyze the architecture, directory structures, document flow, and protocols of the World Wide Web; also differentiate between the technologies, practices, and management issues in Web 1.0 and Web 2.0.
- Appraise the trends and the potential of Web 2.0.
- Profile the tools for building blogs, wikis, forums, discussion boards, and other Web 2.0 technologies.
- Design blogs using Web 2.0 tools for blogging, photo sharing, and social networking.
- Evaluate the principles and practices to manage the users of Web 2.0 tools and technologies.
- Analyze social networking and examine its impact on business processes and relationships.
- Assess the psychological and sociological aspects of Web 2.0.
- Appraise marketing and branding concepts in relation to Web 2.0.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
WEBD121	Web Development Fundamentals	3
WEBD122	Introduction to Web Analytics	3
WEBD220		3
WEBD221	Intermediate Web Development	3
WEBD241	Web Development Using JavaScript®	3
WEBD300	User Interface Design	3
Total Semester Hours		18

# Undergraduate Certificate - Web Publishing

The undergraduate certificate in Web Publishing provides hands-on experience with layout, navigation, graphics, HTML, CSS, JavaScript®, Adobe Dreamweaver®, coding, and multimedia as you learn to create compelling websites. You'll explore readability, interactivity, accessibility, and usability while learning to use design elements that enhance website performance. Knowledge gained from this degree program is useful in almost any industry, as most organizations today need in-house web designers, developers, or managers.

This program covers the Internet Business Foundations curriculum of the CIW® Foundations certification. After completing this certificate, you may consider pursuing your CIW JavaScript Specialist, CIW Web Foundations Associate, or CIW Web Design Specialist certification.

*JavaScript® is a registered trademark of Oracle America, Inc.*

*Adobe Dreamweaver® is a registered trademark of Adobe.*

*CIW® is a registered trademark of Certification Partners, LLC.*

## Certificate Objectives

Upon successful completion of this certificate, the student will be able to:

- Describe the architecture, directory structures, document flow, and protocols of the World Wide Web.
- Appraise the process for setting up a web site and establish criteria to evaluate and select a Web Presence Provider (Internet Service Provider (ISP) to host the web site and provide the services required.
- Evaluate the impact of JavaScript, XHTML, DHTML, and FrontPage on Information Technology Management and on the evolution of the Web.
- Examine the use of Cascading Style Sheets (CSS) to develop a portable format for standardizing the look and feel across multiple web pages and browsers.
- Analyze the process for designing, developing, and deploying websites using JavaScript, XHTML, DHTML, and FrontPage (an integrated Development environment); apply this knowledge to design, develop, and deploy a multi-page web site.

## Certificate Requirements (18 semester hours)

Code	Title	Semester Hours
WEBD121	Web Development Fundamentals	3
WEBD122	Introduction to Web Analytics	3
WEBD221	Intermediate Web Development	3
WEBD222	Advanced Web Analytics	3
WEBD241	Web Development Using JavaScript®	3
WEBD311	Internet Concepts	3
Total Semester Hours		18

# Undergraduate NanoCerts®

Undergraduate NanoCerts® are focused programs which provide skills necessary for career or professional development and result in a marketable microcredential. Academic credits earned while obtaining an undergraduate NanoCert may be applied to a certificate, associate or bachelor's degree. \* NanoCerts present you an opportunity to upskill while gaining nine academic credits toward your future pursuits.

**Note:** Students may not use military tuition assistance or federal student aid to pay for NanoCert courses. However, private financing, veterans' benefits, or employer tuition assistance may be used.

\*Students are not permitted to enroll concurrently in multiple programs. For example, you may not be enrolled in both a NanoCert and a Bachelor's degree at the same time. However, if you previously completed the NanoCert in Cybersecurity/Cybercrime you may be able to apply those credits toward a Bachelor's in Cybersecurity.

- *Counterintelligence*
- *Criminal Intelligence*
- *Cyber Intelligence*
- *Cybersecurity/Cybercrime*
- *Geospatial Intelligence*
- *Intelligence Analysis*
- *Introduction to IT Project Management*
  
- *Introduction to Mobile Computing*
- *Mobile Security*
- *Open-Source Intelligence (OSINT)*
- *School and Campus Security Fundamentals*
  
- *Terrorism*
- *U.S. Government Security Fundamentals*

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# Accounting (ACCT)

## **ACCT100 Accounting I (3 semester hours)**

Introduction to the purposes of financial accounting statements and the recognition, measurement, and disclosure concepts and methods underlying financial statements. The course focus is on using and interpreting financial statements and on understanding the impact of transactions on assets, liabilities, revenues, and expenses. (Prerequisite: MATH225)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ACCT101 Accounting II (3 semester hours)**

A continuation of Accounting I, this course includes study of managerial concepts, analysis of financial statements, internal controls, and contemporary accounting standards, practices, and issues. Students must have access to Microsoft Word and Microsoft Excel software. (Prerequisite: ACCT100)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ACCT105 Accounting for Non Accounting Majors (3 semester hours)**

This course is an overview of accounting concepts used by managers in a business environment intended for non-accounting majors with no accounting background. Topics include accounting concepts, users of accounting information, elements and purpose of financial statements, accrual accounting, internal control and basic financial analysis. Students must have access to Microsoft Word® and Microsoft Excel® software. Microsoft Word® Microsoft Excel® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT105>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ACCT202 Introduction to Payroll (3 semester hours)**

This course provides a foundation in payroll accounting, administration, and management. Learn to complete payroll calculations for earnings, taxes, and withholdings; maintain personnel records; and analyze payroll transactions. This course is intended for accounting students and professionals with a need to understand payroll basics. (Prerequisite: ACCT100)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ACCT300 Financial Accounting (3 semester hours)**

As study of financial accounting to expose the student to a wide range of accounting topics. Topics include generally accepted accounting principles, assets and liabilities, debits and credits, accrual and cash based accounting, merchandising and inventory, the accounting cycle, internal controls, capital stock, income reporting, liabilities, cash flow, budgeting, planning and control. Students must have access to Microsoft Word® and Microsoft Excel® software. (Prerequisite: ACCT100) Microsoft Word® Microsoft Excel® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ACCT301 Intermediate Accounting I (3 semester hours)**

This course examines the accounting process including the adoption of the International Accounting standards (IAS) and reporting of financial reporting (e.g., balance sheet, income statement, and statement of cash flows). Students must have access to Microsoft Word® and Microsoft Excel® software. (Prerequisite: ACCT101) Microsoft Word® Microsoft Excel® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ACCT302 Intermediate Accounting II (3 semester hours)**

Students will study accounting theory and practices associated with corporate accounting issues of pensions, leases, bonds, and investments and earnings per share. Students will also study the effects of time value of money and how it applies to business decisions. An in-depth analysis of liabilities, stockholder's equity, and accounting changes and errors analysis are also reviewed in this course. Students must have access to Microsoft Word® and Microsoft Excel® software. (Prerequisite: ACCT301) Microsoft Word® Microsoft Excel® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ACCT303 Intermediate Accounting III (3 semester hours)**

A survey of the financial reporting process, a detailed study of financial statements, and an analysis of generally accepted accounting principles. Students must have access to Microsoft Word® and Microsoft Excel® software. (Prerequisite: ACCT302) Microsoft Word® Microsoft Excel® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT303>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ACCT305 Accounting Information Systems (3 semester hours)**

This course applies the practical application of accrual-basis accounting through the use of accounting software. Students will gain experience in integrated software designed to handle general ledger, accounts payable, accounts receivable, financial statement analysis, fixed assets, sales order processing, inventory, and payroll. Students must have access to Microsoft Word® and Microsoft Excel® software. (Prerequisite: ACCT101) Microsoft Word® Microsoft Excel® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT305>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ACCT400 Auditing (3 semester hours)**

This course examines the role of the auditor in a global business environment. The course covers the scope of auditing, the rules governing the professional ethics of the Certified Public Accountant, the auditing process, and the legal liabilities and responsibilities of an auditor. Students must have access to Microsoft Word® and Microsoft Excel® software. (Prerequisite: ACCT101) Microsoft Word® Microsoft Excel® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT400>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ACCT401 Cost Accounting (3 semester hours)**

Cost accounting identifies the essential data to managers regarding planning and controlling, costing products and services, and customers. The student studies the basic concepts, analyses, uses, and procedures related to types of costs and costing systems. This course will concentrate on examination of the concepts, theories, principles, and practices of cost accounting. Students will develop quantitative and qualitative methods for analyzing raw data that support the business decision-making process and inventory costing. (Prerequisites: ACCT101 and MATH225)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT401>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ACCT406 Managerial/Cost Accounting (3 semester hours)**

Students will analyze how internal accounting information can be used to support management in planning and controlling business activities. Topics covered range from (analysis of) financial statement analysis, job order cost systems, cost-volume-profit analysis, budgeting, performance evaluation using standard costs, differential analysis, and product pricing. Students must have access to Microsoft Word® and Microsoft Excel® software. (Prerequisite: ACCT101) Microsoft Word® Microsoft Excel® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT406>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ACCT410 Governmental and Not-for-Profit Accounting (3 semester hours)**

This course emphasizes the accounting principles and reporting requirements for government units and not-for-profit entities. Topics include the accounting cycle, budgeting and fund accounting, and accounting for state and local governments, colleges and universities, and for not-for-profit organizations. Students must have access to Microsoft Word® and Microsoft Excel® software. (Prerequisite: ACCT101) Microsoft Word® Microsoft Excel® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT410>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ACCT415 Law for Accountants (3 semester hours)**

To develop a sound understanding of the nature of law and an appreciation of the role of law within which an Accountant operates. A study of an area of law of particular importance to business, including contracts, sales, negotiable instruments, secured transactions, agency, partnerships, and corporations. Students must have access to Microsoft Word® and Microsoft Excel® software. (Prerequisite: ACCT101) Microsoft Word® Microsoft Excel® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT415>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ACCT420 Individual Federal Taxes (3 semester hours)**

Students will be introduced to procedures for analyzing tax information on an individual federal tax basis. The following material will be covered in this course: analysis of gross income, income exclusions, adjusted gross income, deductions, exemptions, and credits. Students must have access to Microsoft Word® and Microsoft Excel® software. (Prerequisite: ACCT101) Microsoft Word® Microsoft Excel® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT420>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ACCT499 Senior Seminar in Accounting (3 semester hours)**

The Capstone course is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward a degree in Accounting. The students will examine a number of real-world cases that relate to auditing and accounting issues, and students will prepare an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Students must complete ALL Core and Major courses prior to this course. Students must have access to Microsoft Word® and Microsoft Excel® software. (Prerequisite: Completion of a minimum of 105 hours towards your program) Microsoft Word® Microsoft Excel® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ACCT499>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Business (ANLY)

## **ANLY460 Applied Analytics I (3 semester hours)**

This course is designed to provide an understanding of the basics of applied analytics based on principals starting from descriptive statistics, probability, distributions, and hypothesis testing; where sums, counts, frequencies, measures, and probabilities of collected data and occurrences, past or current, are used effectively to support reactive or corrective decisions either on real time or for the future. This course covers using Microsoft Excel® add-in for data analysis as a tool to create, manipulate, and report descriptive analytics outcomes for decision-making. Microsoft Excel® is a registered trademark of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ANLY460>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ANLY461 Applied Analytics II (3 semester hours)**

This course further integrates applied business analytics. It continues the examination of the role of statistics and analytics techniques in the interpretation and findings of nonparametric test of hypothesis, analysis of variance ANOVA, correlation, and regression analysis. After completing this course, students are expected to understand diagnosing factors affecting a problem, variables involved, relationships among business variables, and how to generate a prediction model. (Prerequisite: ANLY460)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ANLY461>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ANLY462 Applied Analytics III (3 semester hours)**

This course covers deeper elements of applied analytics techniques used to identify sources of variation causing business problems, how to design experiments to explore interactions, as well as techniques used to model relationship of business variables as well as quality control. It additionally includes applied tools to predict the future using time series analysis and seasonal forecasting. It integrates statistical analysis and visualization with applied problems. PREREQUISITE: ANLY461.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ANLY462>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ANLY499 Analytics Senior Seminar (6 semester hours)**

This seminar is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward a degree in analytics. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning, as well as assess their level of mastery of the stated outcomes of their degree requirements. PREREQUISITE: Students may only take this course after the completion of all CORE courses.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ANLY499>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Business (BUSN)

## **BUSN100 Basics of Business (3 semester hours)**

This course is designed to acquaint the student with the terminology, organization, and function of the American business system. The course will give the student a broad background about the contemporary American and global business environments as well as considering different business organizations, management principles and strategies. Topics covered include marketing, finance, personnel, customer relations, production and operations, e-business, world trade ventures, internal information systems and decision-making processes.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **BUSN120 Real Estate Principles (3 semester hours)**

This course provides an introduction to real estate as a business and profession. Students will have the opportunity to discuss and review terminology, concepts and best practices for the real estate industry. Topics will include the real estate market, property rights, deeds and leases, contracts, the closing process, urban economics, brokerage, appraisal, land uses, and insurance.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN120>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **BUSN121 Real Estate Practice (3 semester hours)**

This course provides an introduction to real estate from an operations viewpoint. Students will have the opportunity to discuss and review terminology, concepts and best practices on how to manage the basic functions within the real estate industry. Topics will include structure of leases, real estate development, negotiations, marketing, and other issues associated with the real estate practice.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN121>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **BUSN201 Introduction to Construction Management (3 semester hours)**

This course serves as an introduction to construction management. Students will have the opportunity to discuss and review terminology, concepts, and best practices in residential real estate construction management and development. Topics will include the construction industry, communication, forecasting and planning, leadership, managing people in construction, production and site management, time management, cost management, and quality.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **BUSN202 Leading in the Technology Age (3 semester hours)**

Students learn about the fundamentals of various technical applications in the workplace. The course introduces students to hardware, software, cloud computing, collaboration tools, cybersecurity, and other technical matters they will encounter in a business environment. The student will learn how to apply the tools typically used to accomplish routine business tasks and share information.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **BUSN220 Real Estate Finance (3 semester hours)**

This course is an investigation of institutions, instruments, and structures by which investment in real estate is financed. It reviews capital markets, the sources and use of real estate funds, and the role of government in real estate finance. The course also covers technical skills involved in real estate finance, to include risk analysis, portfolio theory and management, REITs, and capital market trends.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN220>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN221 Real Estate Appraisal (3 semester hours)**

This course examines property rights and their valuations. Students will have the opportunity to discuss and review terminology, concepts, and best practices on the factors affecting the value of property rights as they relate to general economic theory and the real estate process. Topics will include real estate appraisal methods, valuation of residential and income-producing property, influences on market value, and trends in the appraisal industry.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN221>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN222 Real Estate Property Management (3 semester hours)**

This course explores the role and major functions of the property manager. Students will have the opportunity to discuss and review terminology, concepts, and best practices for landlord policies, operational guidelines, leases and lease negotiations, tenant relations, habitability laws and the Fair Housing Act. Topics will include the impact of electronic technology on the industry and fair housing regulations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN222>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN235 Personal Finance (3 semester hours)**

This course addresses the fundamentals of personal finance. Students will develop an understanding of the financial world and how it directly affects their life on a day-to-day basis as well as planning for their long term fiscal security. Topics include money management, consumer credit, home financing, insurance, and investing.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN235>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN250 Analytics I (3 semester hours)**

This course is designed to provide a foundational knowledge in analytics, and how it is used in business to strengthen the decision-making process. As technology has changed the landscape of business processes, it has also created a necessity for decision-makers to have the ability to use various tools to create, manipulate, and report data. Students will learn operational statistical theories, software options to work with data, and begin to integrate concepts into objective decision-making.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN250>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN299 Applied Business Solutions (3 semester hours)**

This course is an integrated-based approach to task-based, business problem solving using various technology solutions such as productivity software products, the Internet, and free applications. Students will be challenged to use appropriate technology skill sets, while also learning additional skills working on real world business projects. Students will complete the course with an e-portfolio of their work, which can in turn be used in the job search process. (Prerequisites: ENGL225 or ENGL226 and ITCC111 or ITCC112)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN299>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN301 Residential Real Estate Portfolio Development (3 semester hours)**

This course serves as an introduction to developing a residential real estate portfolio. Students will have the opportunity to discuss and review terminology, concepts, and best practices in residential real estate portfolio development. Topics will include the components and players involved in a residential real estate transaction, the differences between residential and commercial real estate transactions, the various categories of residential real estate, standard residential contracts, residential market analysis and marketing plans, buying and selling, flipping homes, single-family rental properties, and ethics in the residential real estate industry.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN302 Commercial Real Estate Portfolio Development (3 semester hours)**

This course serves as an introduction to developing a commercial real estate portfolio. Students will have the opportunity to discuss and review terminology, concepts, and best practices in commercial real estate development. Topics will include the components and players involved in a commercial real estate transaction, the differences between residential and commercial real estate transactions, the various categories of commercial real estate, standard commercial contracts, basic commercial market analysis and marketing plans, and ethics in the commercial real estate industry. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN306 Real Estate Communication and Negotiation (3 semester hours)**

This course focuses on real estate communication and negotiation. Students will have the opportunity to discuss and review terminology, concepts, and best practices in residential real estate communication and negotiation. Topics will include persuasion principles and approaches, real estate negotiation situations, the various modes for communicating and negotiating, e-mailing, texting, and other effective written negotiations, generational factors, and ethics in real estate communication and negotiation. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN306>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN307 The Legal Environment of Business (3 semester hours)**

This course introduces legal and ethical principles relating to business practice in the United States. Students examine the basis and influence of law on business formation, enterprise management, and business decisions. Some of the topics explored are the constitutional basis for U.S. legal system, government regulation, contracts, torts, employment issues, and corporate social responsibility. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN307>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN308 Real Estate Marketing (3 semester hours)**

This course serves as an introduction to real estate marketing. Students will have the opportunity to discuss and review terminology, concepts, and best practices in residential real estate marketing. Topics will include branding, relationship marketing, communication, electronic tools such as social media and blogs, marketing to potential buyers and for the seller, and ethics in real estate marketing. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN308>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN310 Business Theory (3 semester hours)**

In this course, students will learn about the intricate realms that shape business decisions across domestic, global, technological, political, legal, sociocultural, and economic environments. Students will investigate the factors influencing long-term decisions, corporate culture's sway, and the nexus between social responsibility and corporate performance. In addition, students will also have the opportunity to apply theoretical frameworks to craft strategic recommendations in real-world contexts. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN311 Law and Ethics in the Business Environment (3 semester hours)**

This course develops skills for inquiry into the business environment from a legal and ethical perspective. Students explore the relationships between modern business and the environment, in addition to the ethical issues that arise when diverse interests intersect. Relevant topics will include contracts, commercial law (sales, secured transactions and creditors remedies), forms of business entities (including limited liability companies and corporations), agency, employer-employee relationships, real property concepts, bankruptcy, and negligence and strict liability concepts. Students will examine corporate governance and business ethics, with emphasis on case studies. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **BUSN312 Operations Research (3 semester hours)**

This course introduces Operations Research and includes the application of operations research and management science techniques to management decision problems. Operations research techniques and methods can be applied to problems in virtually all-functional areas of business including accounting, finance, marketing, production and human resources. Examples from each of these areas will be covered during the course. A feature of the course is that Microsoft Excel is used to implement some of the techniques covered. This means that you will become proficient in using Excel; the most widely used electronic spreadsheet in business today. (Prerequisites: MATH110, MATH111, or MATH225)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN312>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN320 Principles of E Business (3 semester hours)**

This course is a study of the fundamental principles of e-business. Students will learn how to build a successful e-business operation with step-by-step guidance for writing an e-business plan and simplified guidance for the development and management of a start-up customer focused website. Students will select an e-business of their choice and, using worksheets from their textbooks, follow a step-by-step process to develop eight sections of the e-business plan: business description, product and services, marketplace analysis, marketing planning, management and organization, operations, business location and equipment, and financial plans. Students will integrate basic start-up web site design plans and concepts into their e-business plan. The major objective of this course is for every student to apply the principles of e-business, e-marketing and basic website design and develop an e-business plan for immediate application or for future reference.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN330 Fundamentals of Business Analysis I (3 semester hours)**

This course explores the use of standard spreadsheets and historical data for developing and organizing data into lists, creating tables and charts from the data, and utilizing basic formulas to understand summaries of the data. Students will develop skills with analyzing business data utilizing Microsoft Excel®, a standard spreadsheet tool, in order to draw conclusions regarding historical data. Microsoft Excel® is a registered trademark of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN330>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN331 Fundamentals of Business Analysis II (3 semester hours)**

This course explores the use of Relational Databases to analyze business data, create queries regarding specific areas of interest, and generate reports regarding trends. Students will develop skills utilizing Microsoft Access®, a relational database, to demonstrate proficiency in manipulating database elements of interest to a business. Microsoft Access® is a registered trademark of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN331>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN333 Project Management for Business Analysts (3 semester hours)**

This course focuses on project requirements as the basis for managing development life cycles. Students learn to define project cycle time, measure and estimate project efforts, and set priorities.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN333>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN336 Strategic Policy Decision-Making (3 semester hours)**

Strategy uses historical data and past experiences to try to determine future trends. One of the elements of any strategy is flexibility. Global events regularly prove that every business must plan for a future based on historical data and another possibility using a contingency plan. Businesses should understand that change may come. It could be a catastrophic global emergency or a new competitor that comes in and takes market share. The ability to innovate, adapt, and overcome are essential factors to the success of any global or domestic business strategy. Students will be exposed to the theories and practical applications to develop a successful strategic plan for businesses in the digital era that is flexible and takes into account external environmental factors, such as competitors and unanticipated emergencies that may affect the business.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN336>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN340 Operational Crisis Management (3 semester hours)**

BUSN340 students focus on the fundamental practices related to identifying, preventing, and controlling crisis situations. Students are exposed to the various stages of a crisis and the need to develop a crisis management contingency plan. The students analyze the strategies, resources needed, and the roles and responsibilities of the crisis management team.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN341 Operational Business Continuity (3 semester hours)**

BUSN341 students are introduced to the range of areas involved in effective continuity planning. Focus is on recognizing and prioritizing natural and man-made continuity threats. Students identify and analyze resources needed to avoid, mitigate, or recover from a threat.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN341>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN342 Operational Sustainability and Crisis Management (3 semester hours)**

BUSN342 introduces the fundamental concepts of crisis management and sustainability in a business. A crisis can happen in an organization at anytime, anywhere. Topics include advanced crisis management planning, which is key to sustainability and assures a company has the processes and procedures in place to address almost any issue that may arise; the impact of a crisis on the employees, customers, suppliers, general public; and the sustainability of a company's value.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN342>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN343 Operational Emergency Preparedness (3 semester hours)**

BUSN343 students learn about the fundamentals of preparing for various emergency situations in the workplace. The course introduces students to the situations that threaten workers, customers, or the public and can disrupt or shutter operations, resulting in lost revenue and expenses. The student will learn about the tools to create a plan that addresses the potential impact of various emergencies.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN343>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN350 Analytics II (3 semester hours)**

This course is designed to provide a intermediate knowledge in analytics, and how it is used in business to strengthen the decision-making process. Students will focus on managerial level of statistical methods, advanced Excel functionality, and continue to work on applying concept to strengthen the ability to integrate concepts into objective decision-making processes. (Prerequisite: BUSN250)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN350>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN410 Critical Thinking Strategies for Business Decisions (3 semester hours)**

This course provides students opportunities for analysis, synthesis, and application of critical thinking applied to decision making at all levels in an organization. This course equips students with critical thinking skills to identify problems utilizing rational decision making. Students learn to solve organizational problems and provide strategic direction based on critical thinking.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN410>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN419 International Business Management (3 semester hours)**

This course focuses on the organization, management strategies, and essential operations of international business and cross cultural management. It provides a managerial perspective and a framework of analysis for examining the similarities and differences in the philosophy and practices of management around the world. Topics include the methods and importance of effective strategic planning when organizing and administering international marketing, finance, and human resource management areas toward efficient business, government, and global market relationships. By focusing on the analysis of national and organizational cultures and the impact of individual behaviors, the course gives a strong basis for managers to successfully manage in different countries and different populations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN419>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN425 Real Estate Management (3 semester hours)**

This course provides an overview of the real estate management field. Students will have the opportunity to discuss and review terminology, concepts, and best practices in real estate management. The course explores the various management roles, including Broker strategic planning and financial responsibilities, liability and safety, leadership, operations, legal, and ethical guidelines in real estate management.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN425>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN450 Advanced Analytics (3 semester hours)**

This course is designed to lead students through various projects and business problem scenarios to enable them to apply concepts learned to quantify elements of alternative elimination, assess data pertinent to the overall decision-making process, and to gain an understanding of the different business functions and how data is used differently in each area. This course requires Microsoft Excel® 2010 or higher. (Prerequisite: BUSN350) Microsoft Excel® is a registered trademark of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN450>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN451 Introduction to Business Project Management (3 semester hours)**

This course provides an overview of the processes involved in business project management. The student will be exposed to the practical aspects of running a project, including planning, scheduling, budgeting, and developing various plans needed during a business project life cycle. Various techniques needed to track and control a project are introduced. Techniques will include critical path, earned value analysis, variance analysis, and trend analysis.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN451>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN452 Project Schedule and Scope Management (3 semester hours)**

This course delves into the theories, concepts, and practical applications of understanding how the scope of a project is translated into a project schedule and plan. The student will be exposed to developing a Work Breakdown Schedule (WBS) and project plan, which helps the student understand some of the concepts to monitor and control a project. The student will be exposed to creating a project schedule with resources and risks, as well as understanding scope management by creating a WBS and project plan. (Prerequisite: BUSN451)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN452>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN453 Project Integration, Quality, Resource, and Stakeholder Management (3 semester hours)**

This course delves into the theories, concepts, and practical applications of integrating all processes within a project, including quality, resources, and stakeholders. The student will be exposed to developing a quality management plan, resource plan, and stakeholder plan and how they all integrate to drive the project results. The student will be exposed to conflict resolution, decision-making, and leadership to bring the project to a conclusion. (Prerequisite: BUSN451)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN453>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BUSN490 Business Administration Independent Study (3 semester hours)**

An opportunity for Business Administration students to pursue an independent research project or examine a specific area of Business Administration under the mentorship of a single professor. Course is open to upper division students only. Participation is at the discretion of the faculty member.

This course will require students to produce a major research paper of approximately 25-30 pages; there will be no examination. Students will submit a proposal prior to the start of the project, an annotated bibliography, and a final paper at week 8, all of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelor's degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact their academic advisor. Once the course is open the student must complete an official online registration for the course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN490>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**BUSN495 School of Business Internship (3 semester hours)**

Participating in an internship provides students with valuable educational and professional opportunities designed to make connections between theory and practice. During internships, students explore and gain hands on experience in their field of study, exploring practical applications in a professional work environment. The primary responsibility for finding an internship belongs to the student; however, there are a number of resources in place to help the student in their search and application process.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN495>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**BUSN499 Senior Seminar in Business Administration (3 semester hours)**

This capstone course is a senior-level project that combines key elements of the undergraduate degree learning experience using a team approach that integrates and showcases multiple business disciplines. Students from a variety of degree programs (such as accounting, marketing, business administration, management, logistics, and human resource management) will develop and complete an approved academic business project. This project will demonstrate respective team members' mastery of academic knowledge. (Prerequisite: Completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BUSN499>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Business (ECON)

## **ECON101 Microeconomics (3 semester hours)**

Microeconomics is an overview course that covers how households (consumers), firms (producers), and governments interact in competitive and other markets to set prices, and determine what and how much is produced. Key concepts introduced include the role of scarcity and choice, incentives and competition, and the law of supply and demand.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ECON101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ECON102 Macroeconomics (3 semester hours)**

Introduction to Macroeconomics is a survey course that builds on the topics covered and skills developed in ECON101 (Microeconomics) in order to present a complete picture of the economy. Macroeconomics shows how consumers and markets fit into the overall or aggregated economy and provides a framework to assess government policies. Key topics covered will include economic cycles (growth and recession), economic indicators and measures, and interest rates and money supply.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ECON102>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ECON201 Microeconomics for Business (3 semester hours)**

Microeconomics for Business is an overview course that covers how microeconomics impacts business operations and the strategic management of the organization. Households (consumers), firms (producers), and governments are examined to assess how they interact in competitive and other markets to set prices, and determine what and how much is produced. Key concepts introduced include the role of scarcity and choice, incentives and competition, and the law of supply and demand.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ECON201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ECON202 Macroeconomics for Business (3 semester hours)**

Macroeconomics for Business is an overview course that covers how macroeconomics impacts business operations and the strategic management of the organization. An introduction to the principles and tools of macroeconomic analysis is provided. Macroeconomics for Business investigates the main topics of the overall economy including Gross Domestic Product, inflation, unemployment, economic growth, recession, monetary policy and fiscal policy. We use these theories and concepts to examine the role of the government in our economy and how government makes choices.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ECON202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ECON301 Comparative Economics (3 semester hours)**

This course analyzes the main economic systems operating today and their effect on international trade policies. Students will compare economic internal growth in centrally planned, mixed, and capitalist economics. Analyzes the performance of various economic systems in today's global economy and discusses important problems and issues of economic transition. Compares the basic theories of economic systems and various models of economic transition.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ECON301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ECON302 Environmental Economics (3 semester hours)**

This course explores environmental economic theory and the relationship between market activity and the environment. The course emphasizes the use of economic analytical tools, such as market models, benefit-cost analysis, and risk analysis to assess environmental problems and to evaluate economic policy solutions.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ECON302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**ECON303 International Economics (3 semester hours)**

This course provides a comprehensive account of the theory and practice of international trade and international monetary relations. Emphasizes is place on modern trade theory and applications, trade policies and arrangements, and international factor movements. Topics include international financial relations, including the balance of payments, exchange rate determination and regimes, international economic policy, and international banking.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ECON303>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**ECON304 Monetary Economics (3 semester hours)**

This course analyzes money and banking, the US and world financial markets, the role of the central bank, and monetary policies. Topics include principles and issues in money and banking, the nature and functions of money, financial institutions and markets, banking structures, and regulations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ECON304>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Business (ENTR)

## **ENTR150 Idea Generation (3 semester hours)**

The act of being an entrepreneur is taking an idea and turning it into reality. There are two types of entrepreneurs - those that have a myriad of ideas and those that can't think of one idea. This course, Idea generation, is dedicated to helping the student identify opportunities for a new business venture by either deciding on one idea they have or helping to create ideas. The course starts with recognizing various ways to come up with a new idea and ends with outlining a plan to take the idea to reality.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR150>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ENTR200 Leadership in Small Business Ventures (3 semester hours)**

This course outlines appropriate processes to evaluate potential employees. This course was designed and developed to guide students through recruiting, advertisement planning, and hiring the most qualified applicants. Students research comparable pay rates and the cost of compensation for employees, learn of the most effective methods for motivating employees, and learn about employment law.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ENTR210 Entrepreneurs as Leaders (3 semester hours)**

Entrepreneurs face unique leadership challenges, especially with a new venture. This course provides the entrepreneur with the necessary tools and frameworks for creating strategy, building companies, and assembling human capital with limited resources. This course also explains the ethical challenges in a start-up venture.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR210>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ENTR215 Innovation Design and Prototyping (3 semester hours)**

This course goes through the different stages of product development. When developing a product, it's important to be specific about a product's attributes and that the entrepreneur differentiates it from others. Different approaches exist, such as revolutionary and evolutionary, for product development. An entrepreneur may even start with one approach and then change to a different approach as the venture moves forward. To aid the student, perceptual mapping is used, which helps to define a market, the benefits, price, and position. (Prerequisite: ENTR150)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR215>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ENTR216 Service Innovation and Delivery (3 semester hours)**

This course focuses on opportunities and problems encountered in the service sector as entrepreneurs seek to accomplish growth in their service businesses. Topics explored include selecting resources to support service businesses, motivating employees in the service sector and developing a control system to offer an efficient and effective service product to your market. Students develop a market analysis of the needs and wants matrix for the service market.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR216>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ENTR300 Foundations of Entrepreneurship (3 semester hours)**

This course studies the foundations of entrepreneurship through the context of innovation, entrepreneurial processes and concepts, and ethical decision-making. By studying how different decisions result in different outcomes and by understanding the unique strategic requirements of a venture, this course investigates entrepreneurship and the creation of new ventures. Students learn the basic theories used to explain and understand entrepreneurial activity, which prepare them to plan a new business opportunity.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR309 Business Plan for Non-Majors (3 semester hours)**

This course focuses on the essential framework and first steps towards pursuing an entrepreneurial opportunity. The course first focuses on a framework for a business plan. The course later covers business plan elements, such as competition, marketing, operations, and other issues essential to the delivery of a business plan.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR309>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR310 The Family Owned Business (3 semester hours)**

As The Family Owned Business is introduced, students learn what differentiates this type of business and the characteristics that make family owned firms different from other business environments. The entrepreneur who takes over the family business will have innovative ideas to enhance the business. This brings complexity and challenges as an entrepreneur and this course explores some of those while also constructing effective strategies.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR311 Business Plan Foundations (3 semester hours)**

This course focuses on the essential framework and first steps towards the student's objective of an entrepreneurial opportunity. The first portion of the course focuses on a framework for your business plan. The remainder course topics center on business plan elements, such as competition, marketing, operations, and other issues essential to the delivery of a business plan. In this course, the student begins the process of writing a business plan, which will be used and updated throughout the program. (Prerequisites: ENTR150, ENTR215, and ENTR300)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR312 Social Entrepreneurship (3 semester hours)**

Social entrepreneurship is a growing movement for entrepreneurship. Social entrepreneurship scans society and identifies social problems; the entrepreneur then solves that problem/need by creating a solution that benefits society. Because of this, Social Entrepreneurship has since become the new trend for aspiring entrepreneurs to start their entrepreneurial ventures. According to a survey of 1,000 social entrepreneurs (conducted by Un.Ltd. research team), they impact health and well-being, community cohesion, promote personal development, and create training and skills development. Further, the research indicated 40% of social entrepreneurs held a degree.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR312>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR313 Non-Profit Entrepreneurship (3 semester hours)**

Non-profit entrepreneurship continues to thrive in the 21st century in most major and minor industries. Topics include trustee's responsibilities, trustee recruitment/termination/development, financing structure, fundraising, financial management, and strategic planning.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR313>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR315 Financing a New Venture (3 semester hours)**

This course studies the financial strategies needed to support a new venture. The student investigates sources of funding and analyzes investment strategies unique to the start-up. This course helps students to develop the conceptual framework to determine a wide variety of ethical and financial problems related to launching the entrepreneurial venture. Topics addressed include financial statements, pro forma statements, cost of capital, break-even, financial ratios, investor expectations, and exit strategies. Spreadsheet software is used in this course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR315>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR320 Practical Law for the Entrepreneur (3 semester hours)**

This course covers many of the legal aspects of starting a new business venture including business entity selection and formation, employment law, intellectual property, taxation, and business transactions. (Prerequisite: ENTR311)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **ENTR340 Small Business Customer Service (3 semester hours)**

New business owners must be able to retain customers and capture new customers. Whether online or in a physical location customer service is critical to the success of any small business. This course provides students the foundation for service innovation, finding opportunities for service innovation, and exploring customer “jobs.” In addition, this course focuses on determining what your customer is trying to accomplish, not what you are offering. This is crucial to implement a quality service culture.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR410 Money Management for Entrepreneurs (3 semester hours)**

This course provides detailed budgeting and money management tools to start and grow a new venture. Many entrepreneurs have charismatic leadership and vision, but underestimate the importance of the ability to manage the money coming and going out of the organization. Cash deficits can cripple a company, so it is imperative entrepreneurs understand the drivers of good cash flow and strong profitability. This course enables the student entrepreneur to gain practical knowledge with the cash flow statement, forecasting, pro forma statements, profit and profitability, break-even, budgeting, and working capital. NOTE: This course uses spreadsheet software. (Prerequisites: ACCT105 and ENTR311)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR410>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR415 Marketing the Successful Small Business (3 semester hours)**

This course covers the intricate details of marketing a small business, from developing a marketing strategy and planning, to implementing digital media and traditional tactics. The student addresses many marketing issues that face small businesses, such as value proposition, Go-to-Market strategy, unique selling proposition, integrated marketing communication, and marketing messages. Key topics covered are marketing strategy, market research, segmentation and target markets, competitive analysis, advertising, and how to leverage a marketing budget for optimum results. (Prerequisite: ENTR311)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR415>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR416 Innovative Marketing (3 semester hours)**

Innovative marketing provides a conceptual and applications-oriented framework for marketing decision-making in an entrepreneurial environment. This course emphasizes satisfying target customers and achieving organizational objectives through skillful blending of strategies of key marketing concepts and principles for entrepreneurs. (Prerequisite: ENTR311)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR416>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR420 Social Media to Grow Small Business (3 semester hours)**

This course explores the benefits and challenges of using social media and other online marketing techniques. Part of the focus throughout the course is seeing how different marketing tools and strategies can enhance presence in the market for a small business. Students learn how to leverage social media to enhance branding and marketing strategies and customer relations. It is recommended the student have completed ENTR415.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR420>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR421 The Value of Networking (3 semester hours)**

Networking is a valuable skill for anyone, but it is especially critical for the entrepreneur. The entrepreneur must put themselves “out there” and develop business relationships. There is an art and skill to networking and this course unlocks the psychology of networking. Entrepreneurs in this course also begin structuring and maintaining their network.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR421>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR425 Operating a Small Business (3 semester hours)**

This is a critical operations course integrating Excel (or equivalent spreadsheet software) to formulate crucial numbers. Students learn about strategy, budgeting, cash conversion, cash considerations, analyze costs, analyze financial and operating ratios, and plan for internal controls. A working knowledge of spreadsheet software is expected. NOTE: This course uses spreadsheet software. (Prerequisite: ENTR311)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR425>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR426 Strategic Growth (3 semester hours)**

Managing growth includes leveraging assets at every stage and controlling the risk. This course focuses on areas that are essential to a new venture's growth, including planning, marketing, risk assessment, and financial performance. Students examine the growth opportunities of a venture and structure an experiential growth plan that will provide the greatest impact for their venture. (Prerequisite: ENTR311)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR426>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR427 Technological Innovation (3 semester hours)**

Creating a new venture offers unique challenges. Indeed, innovation and advances in technology are prevalent, and technological innovation leads to competitive advantage. Students are introduced to the challenges of new technology that include: the complexity of intellectual property and sources of funding. This course includes an application of integrating technology into a venture.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR427>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR430 Virtual Small Business (3 semester hours)**

This course provides an overview of the elements of e-Business/eCommerce such as strategy, technology, relationships, and related issues to create an online business, build brand presence, and other important aspects of having an online business. The student creates a domain name and selects a website template to create a virtual business.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR430>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTR498 Entrepreneurship Senior Capstone (3 semester hours)**

The Entrepreneurship Capstone Project synthesizes the prerequisite core and elective Entrepreneurship Courses allowing the student to implement the planning document that has been created throughout the program for their venture. The course includes presenting a pitch for the student's venture. (Prerequisite: Senior Standing and completion of all core and major courses prior to enrollment)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTR498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Child & Family Development (CHFD)

## **CHFD210 Childhood Educational Development (3 semester hours)**

This course examines a variety of developmentally appropriate instructional strategies central to the education of children. Integrating a micro-systemic perspective that takes into account internal and external family dynamics, this course will focus on identifying theoretical and applied solutions to the choice of age-appropriate learning exercises.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD210>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CHFD212 Infant and Toddler Programs (3 semester hours)**

This course examines the fundamentals of infant and toddler development, including planning and implementing programs in group care. It emphasizes meeting physical, social, emotional, and cognitive needs; scheduling, preparing age-appropriate activities, health and safety policies, record keeping, and reporting to parents.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD212>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CHFD215 Introduction to Child Development (3 semester hours)**

This course addresses the research and theory of child development from conception through the end of childhood. Topics include the child's emotional, perceptual, and intellectual development, with attention to the social, cultural, and biological context in which children develop. Practical applications of theory and research will be emphasized.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD215>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CHFD220 Human Sexuality (3 semester hours)**

This course is an overview of the biological, psychological, cultural, and behavioral aspects of human sexuality and family life. The overall theme of the course focuses on attitudes and responsible sexual behavior. Key topics include how culture, society, and history have impacted our understanding of human sexuality.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD220>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CHFD225 Introduction to the American Family (3 semester hours)**

This course examines the family during modern times. Topics include a diverse range of issues, including single mothers, fathers, disparities among families, childcare and child well-being, cohabitation, and how these trends affect American family life.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD225>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CHFD230 Child Welfare and Advocacy (3 semester hours)**

This introductory course will explore the field of child welfare by providing an overview of the systems that are in place to ensure the needs of high-risk children, youth and families are met. This course will also explore child advocacy with regard to protecting children experiencing different societal issues.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD230>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CHFD307 Child and Adolescent Development (3 semester hours)**

This course is a study of theories, research and practical interventions concerning the psychological development of the child from conception to puberty. Course content focuses on biological, intellectual, emotional and social development, and the dynamics of family, peer, school and other environmental influences.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD307>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHFD308 Infant-Toddler Development (3 semester hours)**

This course is an examination of physical, cognitive, emotional and social development in the first 3 years of life. Course topics include developmental milestones, abnormal development and disease, parenting, family dynamics and appropriate care practices and environments from infancy through 36 months of age.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD308>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHFD311 Guidance in Early Childhood (3 semester hours)**

This course stresses the need to respect the unique qualities that individual children and their families bring to the early childhood setting. It presents developmentally appropriate guidance strategies that help young children to become responsible, respectful, and productive members of the community.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHFD312 Special Needs Students (3 semester hours)**

This course focuses on theory and practical approaches to understanding and providing accommodations for students with special needs.

Students will be presented with an overview of the characteristics of the most prevalent types of disabilities, as well as the laws that protect and best educational practices for children with disabilities. Students will examine the methods to teach, as well as the documents that provide the legal basis for meeting the needs for an appropriate education for this population.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD312>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHFD331 Parenting (3 semester hours)**

This course examines factors influencing child rearing practices in families with an emphasis on developing practical skills for working with parents and children. Topics of study include family systems, communication dynamics, blended and culturally diverse families, conflict management, custody concerns, factors supporting healthy child development and resilience, challenges to positive parenting and models for effectively working with parents and youth.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD331>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHFD340 Family Development (3 semester hours)**

This course is a study of the dynamics of family interaction over the life cycle. Course content emphasizes the developmental, social, and cultural influences of the family in relation to a variety of personal and social experiences.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHFD342 Human Life Span Development (3 semester hours)**

This course is a survey of human development across the life span. Course content includes terminology, principles, and theories related to genetic and environmental influences on physical, cognitive, emotional and social development.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD342>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHFD348 Marriage and the Family (3 semester hours)**

This course guides students through an examination of the major theories and research findings related to healthy and effective marriages and families. Family dynamics associated with marital breakdowns and an introduction to family therapy are included.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD348>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHFD350 Family Life Education (3 semester hours)**

The course offers a philosophical and historical perspective on family life education across the lifespan. Practice in curriculum development including content, objectives, and teaching strategies for diverse social groups and settings is stressed.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD350>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHFD360 Family Resource Management (3 semester hours)**

The course covers the management of a variety of resources most often found in family systems. Included is the interaction of families with other societal environmental systems in acquiring and using resources to meet goals and other demands.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD360>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHFD411 Child Psychopathology (3 semester hours)**

This course focuses on psychopathology in childhood from biological, cognitive, social and emotional perspectives and the assessment and diagnostic tools and treatment approaches used with major childhood disorders. Environmental factors contributing to the development of child psychopathology, including family dysfunction, interpersonal violence and trauma and assessment of risk for child abuse and neglect, drug use and suicide will be examined. This course replaces CHFD410. (Prerequisite: CHFD307)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD411>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHFD415 Children and Stress (3 semester hours)**

This course examines historical and current research related to, and practical applications for managing and reducing, childhood stress within home, school and community environments. The effects of separation, divorce, violence, crises and trauma both within and external to the home, and events impacting local and extended communities will be addressed with a prevention and intervention focus.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD415>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHFD445 Family Communications (3 semester hours)**

This course emphasizes the role of communications within the family relationship cycle. It examines how individual needs, perceptions, and self-concepts affect the quality of intra - and inter-familial communication, and integrates both theoretical and applied aspects of family research.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD445>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHFD446 Families and Social Action (3 semester hours)**

This course is the study of the multidimensional aspects of family law and policy, including child support enforcement, homosexual marriage, and surrogate parenting. Students will analyze case excerpts from court opinions on family policies and laws that apply at the federal, state, and local level.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD446>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHFD498 Senior Seminar in Child and Family Development (3 semester hours)**

This course covers major issues within the field of child and family development. Historical underpinnings of theory and practice, factors influencing family function and dysfunction across the lifespan, family education and guidance, law and public policy related to children and families, family resource management, and ethical and professional issues confronting practitioners in field are examined. Extensive research, reading and synthesis of scholarly and professional resources are required. (Prerequisite: Completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHFD498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Child & Family Development (HDFS)

## **HDFS401 Child Life Theory and Practice (3 semester hours)**

Child Life Theory and Practice will support students in the application of knowledge of child development to educate, prepare, and support children and their families through the processes of hospitalization and changes in family dynamics related to illness. Child Life Theory and Practice is taught by a Certified Child Life Specialist and will meet one of the requirements of the Child Life Council to become a Certified Child Life Specialist. Pursuit of Child Life certification upon completion of this course is not required but is encouraged.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HDFS401>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HDFS402 Benefits of Therapeutic Play (3 semester hours)**

This course provides an overview of the principles of therapeutic play, including history, theories, techniques, applications and skills. The content focuses on basic therapy skill development within the context of ethical and cultural diversity-sensitive practice. Attention is given understanding the role of therapeutic play in the context of the participant's clinical (medical treatment) and non-clinical system (family, school, community). Participants learn strategies for engaging children in art, music, and other alternative therapeutic play to educate them on an adult's diagnosis or on their own diagnosis. Participants are introduced to a variety of online resources available for further support. Interest in or pursuit of Child Life certification is not required. (Prerequisite: HDFS401)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HDFS402>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HDFS403 Death, Dying, and Grief (3 semester hours)**

This course introduces students to concepts surrounding the nature of suffering and issues of death and dying. Students examine concepts from a theoretical perspective with attention to ethical and moral issues from a cross-cultural diversity perspective and the impact of death, dying and bereavement on a family and community. Participants explore stages of grief and apply them to case studies or their own patient experiences and engage with tools such as legacy building and memento creation, identify and utilize resources that promote positive coping skills, strategies related to providing children bad news or notifying them on death or impending death. Interest in or pursuit of Child Life certification is not required. Note: This course focuses on death, dying and grief in pediatric care.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HDFS403>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HDFS496 Practicum Experience (3 semester hours)**

This course is an elective option for the Child Life Certificate and the BA in Human Development and Family Studies degree/Child Life option. The course is accepted by the Association of Child Life Professionals (ACLP®) towards the elective requirement for certification eligibility. It is not accepted towards any of the 7 specific courses. It is the student's responsibility to secure their own practicum. APUS is open to establishing affiliation agreements with hospitals for the purpose of supporting a practicum placement. Note: Student will need to meet all of the requirements set forth by the clinical placement which may include a medical physical, immunizations, criminal background check and drug screens prior to being enrolled in the course. (Prerequisite: HDFS401) ACLP® is a registered trademark of the Academy of Consultation-Liaison Psychiatry, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HDFS496>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HDFS497 Internship Experience (3 semester hours)**

Internship Experience is designed to support students who are completing an internship for Child Life Specialist. This experience will expose students to increasing relevant work practices in their area of study. Students will complete their Internship Experience while participating in online discussions weekly throughout the course. Students will be expected to complete a work journal, keep accurate time records, and evaluate their internship experience. The course will integrate the competencies as outlined by the profession throughout the course and encourage application of skills learned. Note: Students are required to secure their own internship experience. The University does not assist in placement. Student will need to meet all of the requirements set forth by the clinical placement which may include a medical physical, immunizations, criminal background check and drug screens prior to being enrolled in the course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HDFS497>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Communications (COMM)

## **COMM101 Introduction to Communication (3 semester hours)**

This course is an introduction to communication studies, the broad areas of communication (interpersonal, oral, electronic, mass media, etc.), and artifacts. This course will familiarize students with the scope, basic terminology, and major career fields in Communication areas. Course topics include: communication, interpersonal communication, communication in groups and organizations, mass communication, media, digital communications, advertising, public relations, promotion management, digital communications and media, fund-raising management, writing, and teaching.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **COMM110 Information & Digital Literacy (2 semester hours)**

Information and Digital Literacy is designed to provide students with sustainable and usable skills essential to success in both academic and professional settings. Students will learn best practices to locate and evaluate sources, and effectively communicate using digital literacy to become proficient 21st century learners.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM110>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **COMM115 Foundations for Lifelong Learning (1 semester hours)**

Foundations for Lifelong Learning introduces students to the skills and dispositions needed to be a lifelong learner. Students will explore what it means to be curious by exploring unfamiliar topics in depth, by taking the initiative to expand knowledge, having the independence to explore interests in and outside the classroom, and transfer previous learning and apply it to current knowledge for comprehension and problem solving. Finally, students will reflect on what it means to learn, to change perspectives, explore civility, and create a foundation for lifelong learning.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM115>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **COMM120 Information and Digital Literacy (3 semester hours)**

Information and Digital Literacy is designed to provide students with sustainable and usable skills essential to success in both academic and professional settings. Students will learn best practices to locate and evaluate sources, and effectively communicate using digital literacy to become proficient 21st century learners.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM120>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **COMM200 Public Speaking (3 semester hours)**

COMM200 Public Speaking introduces students to the field of public speaking, giving them a foundation in the issues relevant to communicating effectively in today's global, technological, and diverse world. The history and theories of speech, ethics, the audience, developing and delivering a speech, and types of speeches and specialized speech situations will also be covered and practiced. Students enrolling in this course must be able to capture video (required) for their speeches. Video files are created and stored within the classroom for the students' security.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **COMM210 Communication and Gender (3 semester hours)**

This course examines the similarities and differences in male and female communication styles and patterns. The content emphasizes implications of gender as a social construct influencing perceptions, values, stereotyping, language use, nonverbal communication, and power conflict in human relationships.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM210>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **COMM211 Social Media and Society (3 semester hours)**

This course explores the practical and theoretical social impacts of computer-mediated communication (CMC) systems, including many different types of technologies, such as social networking sites, email, forums, chat, and online games. Students will engage in the analysis of CMC practices, the social processes and structures that emerge when people use these applications, and the problems and barriers that emerge from use.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM211>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM220 Small Group Communication (3 semester hours)**

This course will examine the theoretical and practical issues that affect communication between members of work teams, discussion groups, and decision-making bodies. Students will work as members of student teams to analyze both the theoretical and practical implications of the issues that surround effective communication and miscommunication in a small group setting.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM220>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM240 Intercultural Communication (3 semester hours)**

This course develops interpersonal, group, and presentational communication skills that are applicable in personal and professional cross-cultural relationships, and focuses on differences in values, message systems, and communication rules across cultural boundaries and in multicultural settings.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM240>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM250 Mass Communication (3 semester hours)**

This course is an introduction to major mass communication theories as a context to examine major issues surrounding mass media in American society. Students will trace the history and development of the major media, both nationally and internationally, and examine the connection to, and interdependence of, each medium to other media. Emphasis will be placed on the current status of each medium and its influence on society and vice versa.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM250>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM255 Digital Tools and Media in Communication (3 semester hours)**

Digital Tools and Media in Communication is a basic course in digital tools and media in communication, which enables our students to situate their communication studies within the modern technical world. The course gives students exposure to modern technology through the communication lens and provides students with opportunities to explore and evaluate digital tools and media for communication purposes. Throughout the course, students will progress in standards published in 2015 by the National Communication Association as those Communication majors should know, understand, and be able to demonstrate as part of the Communication degree program. This course introduces principles of composition and design, presentation, and evaluation across varied modes of communication using modern tools, apps, cloud services, programs, and social media. Course topics include mass media communication strategies, music tools, podcasts, video conferencing, blogging, mobile messaging, social networking, internet broadcasting, live streaming, and new and emerging technologies, evaluation, and application.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM255>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM280 Ethics in Communication (3 semester hours)**

This course is a study of the ethical considerations in communication. It will examine the main ethical issues in interpersonal and mediated communication, including such topics as objectivity, freedom of expression, representations of sex, violence and other human behavior, privacy, confidentiality and obligations to the public.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM280>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **COMM285 Interpersonal Communications (3 semester hours)**

This course is designed to focus on communication within the workplace, personal activities, and family life in order to establish and maintain healthy interpersonal relationships. This course serves as an introduction to major theories and empirical research regarding the role of interpersonal communication as it relates to personal, contextual, and cultural variables in the development of various types of relationships.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM285>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM300 Communication Research Skills (3 semester hours)**

This course will introduce the research methods of communication processes and issues, which include scientific, interpretive, critical, and rhetorical research methods. During the course, students will evaluate existing communication studies and use both quantitative and qualitative approaches in order to understand research methods in the broad field of communication studies, answer questions, and solve problems.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM304 Communication Theory (3 semester hours)**

This course is an exploration of major communication theories and their practical application to social events and issues. This course will provide theoretical background in the field to students using case studies, films, and scenarios and opportunities to analyze and apply theories. Course topics include: seven traditions in the field of communication theory, interpersonal communication theories, interpersonal messages, relationship development, relationship maintenance, influence, group communication, organizational communication, public rhetoric, media and culture, media effects, intercultural communication, gender and communication, and integration. (Prerequisite: COMM101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM304>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM350 Journalism (3 semester hours)**

This course will introduce students to core journalism skills and the historical, social and political context of journalistic practice. The course provides instruction in on-line journalism, news writing, story structure, interviewing techniques and a working understanding of the code of ethics and legal issues which impact journalistic practice. (Prerequisites: ENGL101 or ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM350>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM351 Strategic Communication (3 semester hours)**

This course is designed to introduce students to the planning, coordination, collaboration, and management needed to create a fully-fledged communication strategy that will deliver a message to achieve the desired effect for any organization or individual. Students will cover many aspects of strategic communication management: planning and analysis, considering audience demographics data analytics, incorporating input from all decision makers, media and platforms to be used, timeline, creating feedback loops, legal and compliance approval, implementation, and assessment of communication effectiveness and future considerations. Practical business skills, marketing, navigating organizational politics, intercultural communication, information flow, and data analytics will also be covered on during this course. (Prerequisite: COMM300)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM351>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM356 Digital Communication and Media Design Principles (3 semester hours)**

This course is designed to introduce students to digital communication and media design principles and the dynamisms of communication in digital media. Students will cover many aspects of digital communication and media design principles: writing for digital media, visual communication, website, social media, and platform communication capabilities, communicating for organizations and individuals, crafting the narrative in digital media, establishing brand and presence, and flexibility with future technologies. Leadership and decision maker input will be covered in addition to the necessity of analytics and data to guide the scope and breadth of digital communication. (Prerequisite: COMM300)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM356>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM360 Inclusive Communication (3 semester hours)**

This course is designed to provide students with an understanding of how to effectively communicate across cultures within the United State and Globally from a critical and applicable perspective. This course will cover how communication is influenced by culture and cultural norms and how culture is perceived through communication. Students will self-reflect on their own cultural identity and examine how that influences their perception of communication and how they communicate in their own workplace. By the end of the course, students will create ways to identify and resolve cross-cultural communication conflicts and misunderstandings and incorporate cultural understanding and inclusive language into strategic communication. (Prerequisite: COMM351)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM360>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM365 Communication Analytics (3 semester hours)**

The purpose of this course is to provide students with the theory and application of how the use of analytics shapes communication decisions in today's connected and complicated communication environment. This course will cover how data and the associated metrics have become the standard when making business decisions and how a proper communication strategy must coordinate with the use of analytics. Students will learn how to best use analytics to make data driven communication decisions while using standard reporting API to inform decision makers of the best plan for communicating with an audience. In addition, targeting and location will be discussed so communication can be focused on specific segments of an audience for potentially higher communication conversion. Student will examine the numerous analytics solutions that are available while always looking at future trends and technologies. By the end of the course, students will create a digital communication strategy that uses analytics and data to guide the way they communicate with an audience.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM365>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM370 Situational Communication (3 semester hours)**

This course is designed to prepare students to write dynamic content for any form of media or platform that will achieve the communication goals of the organization or individual. Great effort will go into crafting the content and word choice while being flexible to adjust content to any form or media or platform. Students will address content creation and application for traditional media, new media, be mindful of new technologies, and the need to communicate across multiple medias and platforms. By the end of the course, students will have created a strategic communication plan that can change depending on the situation, platform, or media. (Prerequisite: COMM351)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM370>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM375 Web and Mobile Communication (3 semester hours)**

This course is designed to provide students with the theory and application of how to communicate on different web, mobile, and social platforms. The most effective way to communicate will be examined in addition to how consumers consume messages depending on multiple platforms. The immediacy of digital communication will be covered along with the need to respond in a timely manner without a bias toward action. Students will have hands-on experience crafting messages that meet the technological and audience needs of each of the major platforms. By the end of the course students will know how to strategically approach communication across web, mobile, and social platforms while constantly adapting messages depending on the situation. (Prerequisite: COMM356)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM375>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM380 Communication of Listening (3 semester hours)**

This course is designed to provide students with techniques and practices that will allow students to gather input, information, and perspectives from decision makers and the targeted audience when planning and implementing a strategic communication strategy. Students will learn why it is critical to understand the targeted audience by listening to their needs, their wants, and how they like to be communicated with. Students will also learn why leadership input is critical when creating a communication plan and the need to create feedback loops. In addition, managerial courage, comfortable around senior leadership, and bias towards action will be addressed because of the political sensitivity of communication strategies and tight deadlines. (Prerequisite: COMM351)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM380>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM385 Visual Communication (3 semester hours)**

This course is designed to provide students with the theory and application of how and why visual communication is a critical aspect of digital communication and media design. Students will be introduced to the different ways web, mobile, and social media platforms communicate visually with their audience. The strengths and limitations of visual communication will be taken into consideration when formulating a digital communication and mobile design strategy. Real-world communication miss-steps and blunders will be studied to show how graphic design can confuse and obfuscate communication. Attention will be given to creating an aesthetically appealing experience that communicates an intended message while taking into consideration practical visual and accessibility concerns. By the end of the course, students will have created a visual communication plan that can be included in any digital communication strategy. (Prerequisite: COMM356)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM385>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM400 Persuasive Communication (3 semester hours)**

In this course, students will learn about the history and development of persuasion, the relationship of audience diversity to the impact of persuasive messages, principles of argumentation and evidence, and applications to real-world situations and messages. Throughout the course, students will make connections with political, mass media, marketing, public relations, organizational, advertising, and internet-based messages by applying theories and concepts of persuasion.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM400>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM401 Conflict and Communication (3 semester hours)**

This course introduces students to concepts in the study of human conflict. During the course, students will explore communication in conflict or crisis and emergency situations where ethics, risk, and uncertainty may exist, as well as where communication must be effectively managed. Through case studies and applied exercises, students will apply theory to practical situations to evaluate communication efforts and prepare a crisis communication plan, focusing on causes and dynamics of interpersonal conflict and strategies people use to manage conflicts.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM401>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM402 Media Law (3 semester hours)**

This course is designed to provide students with an understanding of media law from a communication perspective. Topic covered will include First Amendment law, prior restraint, copyright, defamation, and other legal aspects communication professional encounter. Students will investigate case studies that delve into the broad depth of media law issues that both help and inhibit communication and journalism.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM402>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM410 Leadership Communication (3 semester hours)**

This course is designed to introduce students to the theory and practices of leadership communication and provide students with the ability to clearly and persuasively communicate as a people leader with messages that inspire understanding and action. Different communication situations will be examined that includes leadership updates, sharing mission and vision, communicating values and ethics, transformational messages, and difficult leadership communication. Attention will be given to a clear, concise, and informative style that focuses on a positive tone, inclusivity, and support. Each student will learn about their own leadership style and how their individual leadership attributes contributes to a more authentic message that connects with the target audience. By the end of the course, students will have created numerous leadership messages to suit a variety of communication scenarios. (Prerequisite: COMM351)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM410>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM415 Building a Digital Presence (3 semester hours)**

This course is designed to provide students with the theory and application of how to build and maintain a digital presence. Students will be introduced to the many facets of creating and maintaining a digital presence while continuously trying to reach and influence the intended audience. Every aspect of digital communication; the written word, visuals, audio, and video will be analyzed to help plan and build a well-rounded and effective presence. Great effort will go into crafting messages, creating visuals, and using audio and video to build a digital presence. By the end of the course, students will have planned and implemented their own personal digital presence on multiple platforms. (Prerequisite: COMM356)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM415>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM450 Strategic Communication Career Management and Ethics (3 semester hours)**

This course is designed to provide students with the knowledge and understanding of strategic communication career management to ensure long-term career success. Students will learn the tools and strategies that will allow them to change with their industry, change industries, be flexible, constantly learn, network, and always be advocating for their own success. The importance of career management will be studied to ensure that strategic communication students will have the tools and strategies that will allow them to change with their industry, be flexible, constantly learn, network, and have long-term career success. In addition, advanced topics in ethics will be explored to ensure that all communication efforts are ethical and align to the values of the student and the mission of the organization. By the end of the course, students will be prepared to find employment in any industry by presenting themselves as communication professional. (Prerequisite: COMM351)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM450>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM456 Digital Communication and Media Design Career Management and Future Technologies (3 semester hours)**

This course is designed to provide students with the knowledge and understanding of digital communication and media design career management to ensure long-term career success. Students will learn the tools and strategies that will allow them to change with their industry, change industries, be flexible, constantly learn, network, and always be advocating for their own success. The importance of career management will be studied to ensure that digital communication and media design students will have the tools and strategies that will allow them to change with their industry, be flexible, constantly learn, and have long-term career success. In addition, future technologies will be examined and how digital communication and media design will evolve depending on the communication platform. By the end of this course, students will be prepared to find employment in any industry as a digital communication and media design professional. (Prerequisite: COMM356)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM456>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COMM498 Capstone (3 semester hours)**

The focus of this course is to review the major concepts, theories, and issues within the field of Communication and the application to current events and future possibilities. In this course, students will also have the opportunity to explore Communication philosophy from a variety of perspectives. As the capstone course in the Communication program, this course will also provide guidance as students develop a professional portfolio that can be used in seeking employment within the Communication field. (Prerequisites: COMM300 and Senior Standing and completion of all major courses prior to enrollment)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COMM498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Computer Science (CSCI)

## **CSCI140 Introduction to Programming (3 semester hours)**

This course introduces students to C and C++® programming languages, with an emphasis on good programming practices. Topics include object-oriented programming, memory management, and optimization. The course also covers special topics such as arrays, pointers, references, classes, methods, dynamic memory allocation, recursion, linked lists, iterators, and function pointers. Students should be able to write well-decomposed, easy-to-understand code and understand the value that comes with proper variable names, short functionality, and method implementations. This course features weekly coding assignments as well as a final project. (Prerequisite: MATH225)C++® is a registered trademark of the Standard C++ Foundation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI140>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CSCI150 Digital Systems I (3 semester hours)**

This course focuses on number systems, binary arithmetic, logic gates, and forming logic circuits. Other core topics include combinational circuits and Boolean algebra. The concept of circuits will be expanded to include logic blocks; multiplexers; and arithmetic blocks such as adder, multiplier, subtractor, and divider with an emphasis on block designs. Additionally, sequential circuit and finite state machine will be discussed in detail. The course concludes with the synthesis of a complete processor. (Prerequisite: MATH225)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI150>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CSCI210 Introduction to Networking (3 semester hours)**

The course introduces students to the structure and components of computer networks, packet switching, layer architectures, and a number of applications. Students gain the experience and tools needed to use and write protocols. Specific topics include Web/HTTP, voice-over-IP, P2P file sharing, socket programming, TCP/IP, reliable transfer, flow control, congestion control, the network layer (names, addresses, and routing), local area networks, and wireless networks. The course also explores issues related to network security. (Prerequisite: CSCI220)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI210>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CSCI220 Operating Systems I (3 semester hours)**

This course helps students understand the design and implementation of operating systems in the area of purpose. It focuses on description, contrast, and comparison of different structures for operating systems. Students will analyze theory and implementation of processes, resource control, physical and virtual memory, scheduling, I/O, and files. Students need to be familiar with C language before taking this course. The course introduces a high-level structure of the Linux kernel both in concept and source code, while offering a detailed understanding of its aspects. (Prerequisite: CSCI230)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI220>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CSCI230 Machine Architecture and Organization (3 semester hours)**

The course will present concepts related to computer architecture and their impact on program design and development. It introduces students to topics such as instruction set design, memory hierarchies, pipelining, storage systems, and parallel architectures. Specific topics in the course include performance evaluation, computer organization, instruction formats, addressing modes, computer arithmetic, single-cycle and multi-cycle data paths, and processor control. Assembly language programming is used as a means of exploring instruction set architectures. (Prerequisite: CSCI240)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI230>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI240 Algorithms and Data Structures I (3 semester hours)**

This course strengthens and broadens students' awareness of existing trends in the development of object-oriented programming. Students expand their use of a structured design method to provide systematic analysis of performance and systematic proof of correctness. Students gain a deeper understanding of concepts like implementations of abstract data types and present data structures linked to stacks, queues, and hashes. The course will also address advanced concepts related to algorithms that will include divide-and-conquer and dynamic programming. Students will also learn how to analyze different algorithm development as well as various sorting strategies. (Prerequisites: CSCI140 or CSCI150)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI240>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI311 Network Security Fundamentals (3 semester hours)**

This is an advanced course in networking and requires students to have in-depth knowledge of the 7 layers of the ISO/OSI model. The course starts with an overview of IP addressing and subnetting. A significant amount of time will be spent on routing protocols like BGP, OSPF, and EIGRP, and security issues with each of these protocols is discussed. Other topics covered in this class will include, but are not limited to, traffic engineering, multi-path routing, and segmentation. (Prerequisite: CSCI210)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI315 User Interface and Experience Design (3 semester hours)**

Learn the fundamentals of human-computer interaction and user experience design by applying design thinking methods and acquiring the skills necessary to create interactive systems for a variety of audiences and purposes. During this course, students will learn about various types of prototyping methods, as well as how cognition and perception play an important role in affecting the experience of interaction design. (Prerequisite: CSCI345).

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI315>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI320 Operating Systems II (3 semester hours)**

This course presents advanced topics for operating systems. Students learn how to analyze different techniques for managing resources within the operating systems and compare different factors related to reliability and scalability. This course focuses more on file security and integrity. Students become proficient in programming systems software and gain a thorough understanding of the various types of vulnerabilities (design and/or implementation weaknesses), their underlying causes, and potential mitigation strategies. They will also know how to apply fundamental security design principles during system design, development, and implementation to minimize vulnerabilities. Students develop an understanding of how a vulnerability in a given context may be applied to alternative contexts. (Prerequisite: CSCI220)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI325 Design for the Web (3 semester hours)**

This course introduces students to the software tools used for the design and development of web applications. In addition to applications, students are introduced to web frameworks and how to balance between effective front-end design and back-end processing and implementation. Using these frameworks, the HTML, CSS, and JavaScript® development of client-side web applications, sending and receiving REST requests, designing models, HTML5 and CSS3® are all covered in detail. (Prerequisite: CSCI315) JavaScript® is a registered trademark of Oracle America, Inc. CSS3® and CSS® are registered trademarks of Certified Security.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI325>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI335 Web Applications Programming (3 semester hours)**

This course introduces students to the client-side and server-side mechanisms for developing dynamic web applications with persistent data storage. Modern scripting languages and the DOM are used for client-side programming. Server-side programming using new web programming languages and frameworks. Considerations for security. This course focuses on broad knowledge of many tools/technologies rather than in-depth knowledge of a single tool/technology. (Prerequisite: CSCI325)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI335>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **CSCI336 Topics in Computer Vision (3 semester hours)**

The goal of this course is to introduce students to various computer vision techniques, beginning with the fundamentals and progressing to more advanced learning and attention concepts. Image classification and annotation, object recognition and image search, various object detection techniques, motion estimation, object tracking in video, human action recognition, and image stylization, editing, and new image generation are some of the topics that will be covered. Students will learn how to use visual entropy and similar techniques to understand the key differences and overlaps between human-based and computer-based visual systems. (Prerequisite: CSCI381)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI336>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI340 Program Design and Development (3 semester hours)**

This course teaches students to design and develop programs. The course assumes that students have previously acquired programming skills in C, C++, and Python®. Students learn advanced programming concepts that will enable them to produce reliable and maintainable code and be able to compare learned concepts to other languages. The course focuses on programming structures, constructs and writing tests as well as understanding inheritance, polymorphism, and interfaces. Moreover, students will master generic programming, appreciate the value of reflection, and write multi-threaded applications. By the end of the course, students will be able to differentiate between good and bad programming practices. (Prerequisite: CSCI240) Python® is a registered trademark of the Python Software Foundation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI345 Algorithms and Data Structures II (3 semester hours)**

The course will present advanced concepts related to hashes, trees, graphs, linear programming, and multithreading. Students study techniques for designing algorithms and for analyzing the time and space efficiency of algorithms. The course will introduce students to computational models and computational complexity like NP-Completeness, as well as how to develop key algorithms for advanced types of trees, analyze NP-Completeness, apply advanced concepts related to graphs, analyze topics related to multithreaded algorithms, and compare different algorithm strategies.

The algorithm design techniques include divide-and-conquer, greedy algorithms, dynamic programming, randomized algorithms, and parallel algorithms. (Prerequisite: CSCI240)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI345>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI350 Digital Systems II (3 semester hours)**

This course advances the student's understanding of PDLs, FPGA design flows, and ability to perform HDL-based design and implementation on FPGAs. Students learn to design, synthesize, simulate, and implement logic on an actual device, as well as understand and work with FPGA architectures, digital arithmetic, pipelining, and parallelism. Students will become knowledgeable to make a substantial modification to a simple microcontroller-based system and identify the cyber concerns associated with it. The course provides hands-on training on the use of a hardware-description language. In addition, students will be able to detect failures in security design principles, and how they can lead to system vulnerabilities that can be exploited as part of an offensive cyber operation. (Prerequisite: CSCI150)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI350>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI360 Introduction to Database Systems (3 semester hours)**

This course helps students to understand the basic principles required to construct a functioning database free of data anomalies. A strong mathematical background may be required to manage advanced concepts of multi-valued dependency and representation theory, as well as an ability to conceptualize, design, and implement a database. The course focuses on relational database structures, with emphasis on entity relationship diagrams for data modeling, transaction properties, and functions. Students will study SQL for data description and data manipulation, as well as the use of modern APIs to access the database. (Prerequisite: CSCI345)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI360>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI370 Software Reverse Engineering (3 semester hours)**

The discipline of reverse engineering provides the ability to deduce the design of a software component and aid in the analysis of software via decomposition. The course provides a practical foundation for all areas of software security research, including forensics, penetration testing, vulnerability research, exploit development, and malware analysis. Students will be able to use tools to safely perform static and dynamic analysis of software in order to fully understand the software's functionality. Specifically, the course focuses on reverse engineering techniques and software specification recovery, reverse engineering for malware analysis, and communications. The course also provides guidelines for dealing with obfuscated code. (Prerequisites: CSCI311 and CSCI320)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI370>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI381 Machine Learning (3 semester hours)**

This course provides an overview of types of problems that can be used with machine learning, as well as different variations of machine-learned methods such as supervised/unsupervised, batch/online, etc. The course discusses the main challenges of machine learning, notably the issue of data quality, as well as overfitting and underfitting data. (Prerequisite: DATS211 or CSCI345).

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI381>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI386 Advanced Topics in Machine Learning (3 semester hours)**

This course is focused on more advanced topics in machine learning, including clustering, dimensionality reduction, and the emerging applications of machine learning such as recommender systems, search in unstructured data, and time series analysis. (Prerequisite: DATS331 or CSCI381)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI386>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI390 Cellular and Mobile Technologies (3 semester hours)**

This course focuses on wireless communications and networks. It covers radio propagation and propagation path-loss models; digital communication and transmission; cellular communication and WWAN architecture; antennas, diversity, and link analysis; SS and CDMA systems; and security in wireless systems. WWANs, GSM, CDMA, WAP, WLAN, WPAN, 3G/4G/5G are important concepts covered in this course. (Prerequisite: CSCI370)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI390>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI415 Information Visualization (3 semester hours)**

Data production in research, engineering, business, and ordinary human activity is expanding at an alarming rate, as is the amount and complexity of information produced. The aim of this course is to introduce students to methods and techniques for visual representation that will help better understand complex data. The use of effective visualizations not only provides a visual interpretation of data, but they also aid in the comprehension, communication, and decision-making processes. Students will learn how the human visual system processes and perceives images, good visualization design practices, methods for visualizing data from a variety of fields, and programming interactive web-based visualizations using the D3 programming language. (Prerequisite: CSCI335)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI415>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI425 Information Systems Development (3 semester hours)**

This course is an overview of the ways information systems are developed and will include underlying philosophies, paradigms, techniques, and tools. The course covers different software development life cycles (SDLC) methodologies with a special focus on modern methods. It also goes over the different phases of the SDLC and covers the inputs, activities, artifacts, and outputs for each phase. (Prerequisite: CSCI335)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI425>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **CSCI431 Embedded Systems (3 semester hours)**

This course studies the fundamental concepts in the design and organization of modern computer systems. Topics include computer organization, instruction-set design, processor design, memory system design, timing issues, interrupts, and various performance-enhancing parallel techniques such as prefetching, pipelining, branch prediction, superscalar execution, and massive-parallel processing. The course also studies existing architectures using CISC, RISC, and VLIW designs. (Prerequisite: CSCI390)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI431>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI440 Principles of Programming Languages (3 semester hours)**

This course presents multiple programming languages to students and the different solution each offers. Topics include binding, binding times, data types and implementation, operations, data control, storage management, parameter passing, and operating environment. (Prerequisite: CSCI340)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI440>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI445 Formal Languages and Automata Theory (3 semester hours)**

This course deals with the mathematical abstraction model of computation and its connection to formal languages. It is designed to introduce students to the theoretical development of computer science and provide conceptual tools used by practitioners in computer engineering. Students will understand how automata are used to describe computing machines and computation. (Prerequisite: CSCI340)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI445>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI452 Cybersecurity/Cyber Defense (3 semester hours)**

This course introduces students to the ethical, theoretical, and practical issues surrounding security in computer systems and networks. Some of the topics in this course include identification of the following: reconnaissance operations, anomaly/intrusion detection, command and control operations, data exfiltration activities, and malicious code based on signatures. Students will master network security techniques and components, as well as cryptography and its uses in cybersecurity together with malicious activity detection. Understanding how defense complements offense is essential in a well-rounded cyber operations program. Students develop a sound understanding of the technologies and methods used to defend systems and networks. They will be able to describe, evaluate, and operate a defensive network architecture employing multiple layers of protection using technologies appropriate to meet mission security goals. (Prerequisite: CSCI440)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI452>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI471 Software Engineering (3 semester hours)**

This course presents how to apply a systematic approach to the development of software systems. Topics explored include software development life cycles, requirements elicitation, and architectural design and design decomposition, implementation, and testing. The course reviews the modern techniques available for performing actions in these areas. (Prerequisite: CSCI360)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI471>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI475 Development of Secure Software Systems (3 semester hours)**

This course is designed to help prepare students to write robust, secure software that maintains the confidentiality, integrity and availability of the software and data. Specific topics covered in this course include system security architectures and concepts, as well as secure programming principles and practices. Students will be able to demonstrate that they understand the techniques specifying program behavior, as well as the classes of well-known defects and how they manifest themselves in various computer languages. Also, students will learn to understand how poor coding affects security and how to identify common coding errors. In addition, students will need to demonstrate their ability to author programs that are free from defects and document code with clear, succinct explanations. (Prerequisite: CSCI452)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI475>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI480 Introduction to Artificial Life (3 semester hours)**

This course presents artificial life through the lens of simulated and/or synthesized life and life-like processes. It begins by discussing the history of artificial life, or Alife. This course provides students with the opportunity to study the life-like processes that arise from biological and chemical phenomena, mathematical and computational models, and physical models of a variety of statistical and dynamical systems. (Prerequisite: CSCI486) View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI480>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI484 Introduction to Artificial Intelligence (3 semester hours)**

This course provides students with in-depth knowledge and skills in computer science, including the history of AI and the processes involved in training machines to learn. It covers various search methods and why they are important to AI as well as specific AI applications. Topics covered enable students to continue their study of artificial intelligence. Through readings, assignments, and laboratories in which they learn to conduct analyses to meet specified objectives, students gain hands-on experience. (Prerequisite: CSCI381) View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI484>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI486 Deep and Reinforcement Learning (3 semester hours)**

The primary focus of this course is on neural networks and deep learning networks such as CNN, RNN, LSTM, and industry-accepted libraries required to train these models, such as TensorFlow and Keras. It also covers different variations of training and transporting these models using attention and transformers. (Prerequisite: CSCI484) View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI486>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI498 Senior Project Design (3 semester hours)**

This seminar is a senior-level course designed to allow the student to review, analyze, and integrate the work completed toward a degree in computer science. In this course, students design a faculty-approved project that demonstrates mastery of their program of study in a meaningful culmination of their learning. The project should also demonstrate the student's level of mastery of the stated outcomes of degree requirements. Prerequisite: The student must have senior standing (90 semester hours completed) in the Computer Science program and be in good academic standing (2.0 GPA or higher). View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CSCI499 Senior Project Implementation (3 semester hours)**

After completing the design of their approved project in CSCI498, students will implement that design into a working prototype and write a senior thesis. The senior thesis will be completed and an oral defense presented. Selected senior papers will be retained in our library. The student is further encouraged to submit work to peer-reviewed journals, conference proceedings, and/or senior design competitions. (Prerequisite: CSCI498) View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CSCI499>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Criminal Justice (CMRJ)

## **CMRJ100 Introduction to Law Enforcement (3 semester hours)**

This course is an introduction to the philosophy, history, and constitutional limitations of law enforcement. The course will focus on the function of law enforcement within society, ethics and professionalism, theories of law enforcement, and the legal aspects that impact law enforcement.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CMRJ101 Evidence and Procedures (3 semester hours)**

This course will provide an introduction to the collection, preservation, and basic crime scene investigations. Furthermore this course will also focus on the laws and court decisions relating to the admissibility of evidence as well as the appropriate methods of interrogation and its uses in the criminal justice process.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CMRJ201 Criminal Justice Administration (3 semester hours)**

The course will provide the student with an overview of the American criminal justice system as an interdisciplinary social science involving aspects of criminology, sociology, law, and political science. This course will also examine the complexity of the American Criminal Justice System through its administrative process.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CMRJ202 Stress Management in Law Enforcement (3 semester hours)**

This course will explore the stresses of law enforcement, specific stress factors in law enforcement (i.e., shift work, hazards and dangers, dealing with death and severe injury, post-shooting trauma, testifying in court, and undercover work). Methods and techniques for reducing stress will be discussed as will applying these techniques in the field.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CMRJ203 Patrol Methodologies & Community Policing (3 semester hours)**

This course will provide an in-depth overview of the concepts and theories associated with being a patrol officer. The student will become familiar with aspects of community-oriented policing; problem-oriented policing, civil liability, ethics and day-to-day police activities that make patrol work the backbone of law enforcement.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ203>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CMRJ205 Rape and Sexual Violence (3 semester hours)**

This course will explore the sociological and psychological perspectives of sexual crimes as well as examine the legal and forensic aspects of rape. The impact rape has on its victims and society's reactions to sexual violence will be analyzed not only within the United States but around the world. Additionally the class will focus on aspects of causation and rehabilitation of rape crime as well as the proper collection, preservation and analysis of evidence in rape crimes.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ205>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **CMRJ206 Juvenile Delinquency (3 semester hours)**

This course will introduce students to the principles of juvenile delinquency. It will provide a historical overview of juvenile delinquency in America. The course will examine the psychological, social, and environmental theories of juvenile delinquency while also covering the juvenile court system and treatment options for delinquency.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ206>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ295 Criminal Justice Sophomore Seminar (3 semester hours)**

This course is the final course needed for the completion of the Associate of Arts in Criminal Justice degree. The course is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Criminal Justice. The student will complete an approved academic project or paper that demonstrates their grasp of the criminal justice field. This is a culminating course to be taken after all other Associate of Arts in Criminal Justice courses have been satisfactorily completed. Students must have completed at least 49 semester hours in their program. This course is to be taken as the LAST course in the AA in Criminal Justice program.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ295>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ302 U.S. Law Enforcement (3 semester hours)**

This course is an evaluation of the breadth and complexity of contemporary police administration from a systems perspective, a traditional structural perspective, a human behavioral perspective, and a strategic management perspective. Students will apply terms and ideas in the study of policing; and be able to demonstrate and assess the historical development of law enforcement at local, state and federal levels. Additionally they will be able to critically analyze contemporary problems and trends facing law enforcement agencies including their functions, operations and management styles. Managerial theories and practices in organizations will be examined and assessed as to their application in law enforcement organizations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ303 Criminology (3 semester hours)**

This course examines criminal behavior in relationship to various criminological theories and analyses these theories through a historical context. These theories include classical theories and current theories of crime as they relate to criminal involvement. Additionally this course will analyze society's response to criminal behavior through the assessment of legal approaches and the various aspects of the criminal justice system. Additionally types of criminal behavior and the systems reaction to these crimes will be distinguished. Research affecting social policy and public crime concerns are examined including social problems and social responsibility perspectives as well.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ303>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ306 Criminal Investigation (3 semester hours)**

This course is an analytical examination of crime detection and solution, including such topics as crime scene procedures, physical evidence, interviews, field notes and reporting, follow-up investigation, interrogation, and rules of evidence. Specific detail is given to investigations involving homicide, sex-related offenses, and crimes against children, robbery, larceny, vehicle thefts, computer crime, environmental crime, arson, and drug abuse. There is an in depth analysis of investigation methodologies addressing inductive and deductive reasoning to assess the decision making process to solve crimes.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ306>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ308 Ethics in Criminal Justice (3 semester hours)**

This course concentrates on the major functions, structures and processes that underline ethical issues within the American Criminal Justice System. This course will explore the structure and nature of the various types of ethical debates within the American judicial system. There will be an assessment of the ethics in criminal justice, as it explores the issues of morality, virtue, honesty, and making ethical decisions in the United States criminal justice system. Assessments of various issues will be examined as they relate to decision making and ethics.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ308>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ316 Corrections and Incarceration (3 semester hours)**

A comprehensive study of the context, practices, and special interests of corrections. Topics include the early history and current trends of correctional thought and practice, jails and other short-term facilities, intermediate sanctions, the prison experience, women in prison, institutional management, educational/treatment programs, prisoners' rights, and race/ethnicity challenges.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ316>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ320 Law Enforcement Intelligence Applications (3 semester hours)**

The course will prepare students to use intelligence methodologies and templates to assist in case support or investigations, security and counterintelligence, trend development and forecasting, and efficient use of open source information to maximize resources. The course will examine the current use of intelligence in law enforcement (federal, state, and local) and its applications in support of investigations and operational planning. The methods examined in this course will be applicable in the private sector.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ324 The History of Organized Crime (3 semester hours)**

This course will provide an examination of the evolution of organized crime in the United States, with a focus on the social and legal factors that contributed to its development and the groups involved. Additionally this class will explore how organized crime is structured and how it can be exposed and controlled. Theoretical explanations of organized crime are also covered.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ324>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ329 Criminal Profiling (3 semester hours)**

This course explores criminal behavior, its motivation, and the environmental influences and patterns of offending. Other topics examined are the approaches to profiling and how these investigative techniques are applied to helping solve crimes. This course will address aspects of behavior, taking into consideration the definition of criminal profiling as the inference of offender traits from physical and/or behavioral evidence. Evaluations will be made of the history, theories, and investigative techniques regarding profiling crime offenders, using a unique blend of both social science, as well as psychological and legal research. It includes legal case excerpts to demonstrate the role of the profiler (investigator). This provides the student a solid knowledge foundation of the integral relationship between the profiling techniques and theories of criminal behavior and the court system. It is recommended students take either CMRJ101 or CMRJ306 prior to enrolling in this course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ329>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ335 Crime Analysis (3 semester hours)**

This course will examine contemporary practices for analysis and measurement of crime including the use of geographical information systems (GIS) to map various aspects of crime. Modern crime analysis focuses on reducing crime and improving police efficiency by illustrating the impact of crime on the community and community impact on crime through the use of the SARA (scanning, analysis, response, & assessment) problem-solving model. Crime analysis facilitates informed decision making on criminal activity and prevention, thereby being instrumental in helping society learn the linkages between crime and other factors such as poverty or drug abuse. Additionally, there is a review of the crime analysis function within the law enforcement organization and a demonstration of how to develop, implement, and operate a crime analysis unit.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ335>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ341 Criminalistics (3 semester hours)**

The purpose of this course is to educate students regarding the everyday operations of state and federal crime laboratories and the forensic services provided by these organizations. The course is scientifically oriented and will concentrate on the significance of forensic evidence and various testing procedures and instrumentation used to analyze biological, chemical, pattern, and trace items of evidence. Another focus will be the proper recognition, collection and preservation of physical evidence obtained from systematic searches of crime scenes.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ341>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ401 Human Trafficking (3 semester hours)**

This course will provide an in-depth overview of human trafficking. Human trafficking will be explored from domestic and global perspectives. Students will gain a deeper understanding of how human trafficking occurs and how victims are recruited into human trafficking. An in-depth analysis of laws governing human trafficking and the Trafficking Victims Protection Act of 2000 will be explored. Students will explore the Department of State Trafficking in Persons Report and how countries around the world are evaluated in terms of their efforts against human trafficking based on the Trafficking in Persons Report tier system. A comprehensive analysis of the scope of human trafficking in the United States will be provided along with an analysis of indicators of human trafficking. Human trafficking will be explored on a global scale and the impact of the Covid-19 pandemic on human trafficking will be explored. Furthermore, the role of gangs and why they have set their targets on human trafficking will be assessed. Students will gain a deeper understanding of the role of law enforcement and other first responders in mitigating human trafficking.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ401>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ402 The Pathology of Death Investigations (3 semester hours)**

This course will examine contemporary practices for investigating sudden, unexpected and violent death. Two major topics will be explored: the first focusing on the manner of death (the social circumstances under which the death occurs), the second focusing on the cause of death (the particular material actions which result in death). The following types of deaths will be considered: asphyxial, blunt and sharp force, firearms, natural causes, mass disaster, child abuse, sudden infant death syndrome (SIDS) and suicide. Estimating the postmortem interval and identification of human remains will also be considered. It is recommended that students take CMRJ306 before enrolling in this course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ402>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ497 Criminal Justice Capstone - Digital Forensics (3 semester hours)**

This course is designed to be the final class taken in the B.S. in Criminal Justice with a concentration in Digital Forensics program. The class will be an 8-week course during which students will be required to complete work which will demonstrate a mastery of their program. It is designed to be a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Topics covered during the capstone will allow students to review, analyze, and integrate the work the student has completed towards their degree. NOTE: All required, core, and major courses must be completed prior to enrollment in this course. SENIOR standing is required.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ497>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ498 Forensic Law Enforcement Capstone (4 semester hours)**

This course is designed to be the final class taken in the B.S. in Criminal Justice with a concentration in Forensics program. The class will be a 16 week course during which students will be required to complete work which will demonstrate a mastery of their program. It is designed to be a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Topics covered during this senior seminar will allow students to review, analyze, and integrate the work the student has completed towards their degree. (Prerequisite: Completion of a minimum of 106 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CMRJ499 Senior Seminar in Criminal Justice (3 semester hours)**

This seminar is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward a degree in Criminal Justice. The student will complete an approved academic paper that demonstrates mastery of their program of study in a meaningful culmination of their learning, as well as assess their level of mastery of the stated outcomes of their degree requirements. NOTE: ALL required, core, and major courses must be completed prior to enrollment in this course. Student must have SENIOR standing to register. (Note to students: The course materials, assignments, learning outcomes, and expectations in this upper level undergraduate course assume that the student has completed all lower level general education and career planning coursework necessary to develop research, writing, and critical thinking skills. Students who have not fulfilled all general education requirements through courses or awarded transfer credit should strongly consider completing these requirements prior to registering for this course.)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CMRJ499>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Data Science (DATS)

## **DATS200 Functional Methods and Coding (3 semester hours)**

This course provides students with the basic knowledge and skills to handle and analyze data using a variety of methods, as well as different programming languages and tools. Students are introduced to current industry standard data analysis packages and tools – such as those in R/ RStudio, Python, and Structured Query Language (SQL) – to prepare them for higher-level courses that rely heavily on the use of these analytic tools. (Prerequisites: MATH302 and MATH220)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **DATS201 Analytical Methods I (3 semester hours)**

This course provides students with the basic toolkit of statistical methods and models that practitioners use for regression, analysis of variance, and linear models. This toolkit could be based on Python® or on R. Topics include descriptive statistics/data summaries, inference in simple and multiple linear regression, residual analysis, estimation and testing of hypothesis, transformations, polynomial regression, model building with real data, nonlinear regression and linear models. The course is not mathematically advanced but covers a large volume of material. (Prerequisites: DATS200, MATH302 and MATH220) Python® is a registered trademark of the Python Software Foundation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **DATS211 Introduction to Data Science (3 semester hours)**

This course provides an overview of data science including a foundation in research methodology. Data science is a data-driven process that provides descriptive, predictive, and prescriptive insight. Whether reporting on historical information or making predictions about future events, the goal of data science is to add value through analysis that informs. To meet this goal this course introduces a range of tools and methods including supervised and unsupervised techniques. These include techniques such as classification, rule-based association techniques, support vector machines, K-nearest neighbor, regression, and clustering techniques such as K-Means. (Prerequisite: DATS201)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS211>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **DATS221 Exploratory Data Analysis (3 semester hours)**

Exploratory data analysis (EDA) plays a crucial role in the first stages of analysis. That is, the data determine what the appropriate analysis technique is rather than an analysis technique being applied to the data. During this course students develop skills in all aspects of exploratory data analysis including a wide variety of tools and techniques for pre-processing and cleaning data, including big data. This course also introduces students to evaluating and plotting/graphing data to evaluate the content and integrity of a data set. (Prerequisite: DATS200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS221>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **DATS225 Data Visualization (3 semester hours)**

One of the most important functions in data science is the communication of the meaning in data. Data visualization is a core competency that enables that communication. This course introduces students to best practices in the visual and graphical representation of data and meaning. Design principles are emphasized as skills in visual communication develop. The specific tools and methods used in this course will vary depending on current industry standards and preferences. (Prerequisite: DATS200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS225>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **DATS298 Associate Seminar (3 semester hours)**

This course is intended to be the last course taken prior to completing the Associate of Science in Data Science program of study. Students will work as a team to acquire and analyze data to address a specified challenge or problem. This course stresses critical thinking in analyzing data with a focus on implementation of potential solutions within a given context. Challenges or problems assigned in this course involve real-world, complex situations such as large natural disasters, broad financial incidents or pandemics, planning for policy discussions at the state, regional or national level, etc. (Intended to be the last course in the program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS298>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS301 Analytical Methods II (3 semester hours)**

Whereas Analytical Methods I primarily deals with continuous data, this course deals with methods and tools used to analyze categorical (discrete) data. For example, researchers analyze categorical data, e.g. using logistic regression, to determine the results of tests such as learning if a patient's tumor cancerous or not, or whether a consumer will purchase a particular product or not. Specific attention will be paid to surveys and survey data. In addition, this course introduces generalized linear modeling. (Prerequisite: DATS211)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS311 Intermediate Data Science (3 semester hours)**

This course continues to expand the knowledge, skills and abilities of students by two paths; first through the design of experiments required to acquire specified data, and second using carefully designed experiments to establish causal effects. Students will take a deep dive into the differences between correlation and causality. They will learn the critical thinking skills required to assert the reliability of data acquired. (Prerequisite: DATS301)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS331 Machine Learning I (3 semester hours)**

This course introduces students to machine learning. It provides students with a broad overview of machine learning topics for both supervised and unsupervised methods. The topics typically include classification, decision trees, association rule-based classification, support vector machines, regression (linear, logistic and Bayesian), clustering, k-Nearest Neighbor, principal component analysis (PCA), Feature Selection, Linear Discriminant Analysis (LDA) and Factor Analysis. Additional topics can include ensemble methods such as stacking, bagging and boosting. (Prerequisite: DATS311)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS331>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS332 Machine Learning II (3 semester hours)**

This course follows the Machine Learning I course and builds on the topics originally covered. In this course, students will reconsider the various types of machine learning but now in the context of increasing their efficacy. That is, the focus will be on increasing the efficiency and effectiveness as well as the accuracy of the machine learning methods by evaluating their output and conducting error analyses on their results. Furthermore, the results from the various machine learning methods will be examined, e.g. by ROC, to determine their effectiveness in solving a given problem. Errors will be reported using a variety of methods including misclassification, the Gini Index, and entropy. Students will learn how to adjust a variety of parameters and/or hyperparameters to increase the efficiency of running machine learning methods as well as the accuracy of their output. In addition, underfitting and overfitting will be considered. Regularization and optimization will be introduced. (Prerequisite: DATS331)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS332>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS344 Probabilistic Graphical Models (3 semester hours)**

This course focuses on the use of probabilistic graphical models to represent complex domains using probability distributions. Using probabilistic graphical models to model large collections of random variables with complex interactions. Students will learn the key formalisms and main techniques in building probabilistic graphical models. And, how to use them to make predictions and support decision-making under uncertainty. Bayesian networks, directed and undirected graphical models, as well as their temporal extensions will be covered. Students will be introduced to causation and how it can be modeled. (Prerequisites: MATH302, MATH328, DATS301)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS344>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **DATS351 Sentiment Analysis (3 semester hours)**

Sentiment analysis is a specialized form of natural language process intended to determine opinions expressed in written text. This is a lab-based course designed to implement topics covered in labs. The topics covered include the concepts and theories behind Sentiment Analysis. Discussion of the research approaches taken in Sentiment Analysis, knowledge-based techniques, statistical methods, supervised and unsupervised learning, and hybrid approaches. Tasks in Sentiment Analysis will be discussed and implemented through labs, e.g. classifying polarity, and determining an emotional scale. Students will learn how to generate a Sentiment Lexicon. (Prerequisites: MATH302, DATS411)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS351>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS371 Fundamentals of Simulation (3 semester hours)**

This course provides students with an introduction to modeling and simulation at the undergraduate or at the graduate level. It includes an introduction to discrete event simulation (DES) as well as simulation methodology, input data modeling, output data analysis, and a broad overview of DES tools. It also includes an introduction to continuous simulation (CS) as well as simulation methodology, differential equation models, numerical solution techniques, and a broad overview of CS tools. (Prerequisites: MATH240, MATH302, MATH328)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS371>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS373 Simulation Techniques (3 semester hours)**

This course provides the theoretical foundations, tools and methods used to implement solutions, and examples of various problems and their solutions using discrete event simulations, continuous simulation, and agent-based simulation. (Prerequisite: DATS371)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS373>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS381 Behind the Data, Our values and beliefs (3 semester hours)**

This course discusses the legal, policy and ethical implications of data including privacy, surveillance, security, classification, discrimination, decisional-autonomy, and duties to warn or act. Examines these issues over the full data-science life cycle; data collection, storage, processing, analysis, and use. Includes current topics such as: legal and policy constraints; data collection methods and institutions; as well as technical, legal, and market approaches to mitigating and managing concerns.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS381>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS401 Analytical Methods III (3 semester hours)**

This course covers topics in advanced topics and methods such as unstructured data/information and big data. The theoretical background required for the integration of data mining and text analytics or text mining are explored. Students are exposed to additional topics such as the implementation and use of data lakes and ontology evaluation. (Prerequisites: DATS200, DATS201, DATS301)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS401>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS411 Advanced Data Science (3 semester hours)**

This course completes the three-course sequence in Data Science. This advanced course takes students through the application of more advanced methods in regression and time series models. It includes discussions about causal inference, and a wide-range of time series models. This course emphasizes tools and methods used to capture key patterns and generate insight from data. (Prerequisite: DATS311)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS411>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS431 Machine Learning III (3 semester hours)**

This course focuses artificial neural networks as a machine learning tool. A variety of neural networks from perceptrons to convolutional and recurrent networks will be studied. Autoencoders and reinforcement learning will also be covered. Regularization and optimization are included. (Prerequisites: DATS301, DATS344)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS431>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS432 Deep Learning (3 semester hours)**

Deep learning is a technique used by machine learning in the attempt to approach artificial intelligence. In this course, students will learn how to build deep networks. Students will begin learning how to use regularization and optimization for deep learning. Convolutional and recurrent networks will be reviewed in the context of deep learning. (Prerequisite: DATS431)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS432>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS433 Artificial Neural Networks using TensorFlow (3 semester hours)**

The Google Brain Team originally developed TensorFlow as a proprietary code. Today, TensorFlow is open source and freely available. This course teaches students how to use TensorFlow to build and run artificial neural networks. Convolutional and recurrent networks will be included as well regression. (Prerequisite: DATS431. DATS432 strongly recommended)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS433>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS435 Optimization and Machine Learning (3 semester hours)**

This course provides an introduction to optimization and machine learning, i.e. how machines learn. It takes an in-depth look at objective, or loss, functions and how they are used to reduce error through feedback. It also takes a look at how that feedback enables machines to learn. Students gain an appreciation of the similarities in optimization and machine learning, as well as the differences. It also takes a look at all the challenges in training machine models including the local minima or maxima that affect machine learning. In addition, it discusses different methods that are applied to optimization and machine learning, e.g. gradient methods. (Prerequisites: MATH240, MATH328, DATS301)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS435>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS442 Bayesian Methods (Bayesian Inference, Naïve Bays) (3 semester hours)**

This course focuses on the Bayesian approach to probability and statistics and applies it to tools and methods used in data science. This course starts with a brief review of the tenets of probability that form the foundation for Bayes Theorem. Next, it discusses Bayes Theorem in-depth. Then, it considers the Bayesian approach to inference, examines the Naïve Bayes model, and develops Bayesian regression. (Prerequisite: MATH328)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS442>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS443 Generalized Linear Equations Using R (3 semester hours)**

This course introduces students to generalized linear models that extend the linear modeling framework to allow response variables that are not normally distributed. Estimation and inference are included. Continuous data is considered. However, the primary focus is on binary or count data. Poisson and quasi-Poisson models are discussed. (Prerequisites: MATH227, MATH328, DATS301)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS443>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS465 Risk Modeling and Assessment (3 semester hours)**

This course provides students with knowledge about the complete risk assessment process. It begins with in-depth discussions about the mathematical and computational models supporting risk assessment. Then, covers a variety of situations where risk can have a great impact, e.g. extreme events. Hierarchical holographic modeling and related models are used to analyze subsystem risks and how those risks compound to affect an entire system. (Prerequisites: MATH328, DATS301)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS465>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS481 Introduction to Python (3 semester hours)**

This course introduces Python to students with very little programming experience. It covers the basics of programming including core elements of programs, data types, simple programs and functions, debugging and computational complexity. (Prerequisite: DATS200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS481>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS482 Python and Data Science (3 semester hours)**

In this course students will learn how Python, perhaps the most popular programming language today, is used in databases, image processing, machine learning and parallelism. This course is a lab-based course that requires considerable time programming. Students will learn how to handle various data structures, e.g. Python lists, NumPy arrays and Pandas DataFrames. Functions and flow control will be emphasized. This course also uses Python to build on the data visualization topics started in DATS225 Data Visualization. (Prerequisite: DATS481)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS482>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DATS499 Senior Capstone Project (3 semester hours)**

This Capstone course is intended to be the last course taken by seniors prior to completing their bachelor's degree. It is intended to give seniors the opportunity to demonstrate the knowledge and skills they have gained throughout their program of study. At the start of this course, students will be presented with a complex, real-world problem. As they consider this problem, they will restate it in a format consistent with conducting a data analysis. They will acquire the data needed and pre-process that data as required. They will determine the best method of analysis depending on the problem and the data. They will conduct the analysis obtaining preliminary results, and evaluate the analysis and the results to determine if any adjustments to parameters or hyperparameters need to be made. They will obtain the final results, i.e. the solution to the problem. Last, they will generate a written report and an oral presentation that discusses the problem, the data, the analysis including any parameters or hyperparameters used, the results, and their evaluation of the analysis and results. It is intended that the report and presentation be of sufficiently high quality to serve as part of the student's portfolio for job interviews or applications to graduate school. (Intended to be the last course in the program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DATS499>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Education (EDUC)

## **EDUC111 Observation Techniques (3 semester hours)**

This course examines formal and informal methods of gathering and analyzing data on children. The emphasis is on understanding developmental patterns and implications for diagnostic assessment and intervention.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDUC111>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **EDUC200 Humane Education: A Global Interdisciplinary Perspective (3 semester hours)**

This course is based upon the Institute for Humane Education's (IHE) definition of humane education, which is "a lens, body of knowledge, and set of tools and strategies for teaching about human rights, animal protection, environmental stewardship, and cultural issues as interconnected and integral dimensions of a just, healthy society" (Institute for Humane Education, n.d.). The course explores issues, resources, rationales, and approaches to humane education related to various considerations and disciplines, including: economics, politics, science, technology, education, the arts, philosophy, religion, and geography.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDUC200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **EDUC320 Classroom Management (3 semester hours)**

This course provides course participants with the knowledge and skills necessary to establish a classroom learning community in which they can organize and conduct effective instruction that challenges and involves adult learners. Course content will focus on effectively planning instruction or training for adults; considering the unique needs of adult learners; building a sense of community among learners; assessing learning; attending to diverse needs; and instructing in online, face-to-face, and hybrid learning contexts.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDUC320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **EDUC340 Adult Learning Theory (3 semester hours)**

This course provides students with a foundation in theoretical and practical aspects of adult learning. The course begins with comparing and contrasting adult learning (andragogy) to learning among children and adolescents (pedagogy). Examination of various theorists, theories, and practitioners; technology integration rationales; and application of theories to practice in online, face-to-face, and hybrid environments prepares students to plan, teach, and evaluate adult learning.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDUC340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **EDUC401 Curriculum Design (3 semester hours)**

This course focuses on the knowledge and skills necessary for the effective development of curriculum materials and organization and implementation of those materials as a learning program with a focus on adult learners. Activities include studying and applying seminal and current theories, creating engaging experiences, attending to diverse learner needs, and understanding key aspects of program evaluation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDUC401>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **EDUC402 Measurement and Evaluation (3 semester hours)**

This course requires students to study theory, concepts, and practices of measurement and evaluation in instructional settings with a focus on adult learning contexts. Course topics include reliability, test and evaluation development, validation, accommodations for adult learners with disabilities, ethical evaluation and measurement practices, and assessment (e.g. rubric creation).

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDUC402>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Emergency Management (EDMG)

## **EDMG101 Introduction to Emergency Management (3 semester hours)**

This is designed to introduce students to the concepts of emergency management. Students will gain a general understanding of the threats faced by communities. Students will explore the role of emergency management as well as the activities taken during the various phases of emergency management: mitigation, preparedness, response, and recovery. Topics covered in this class include the history and development of emergency management, hazard identification and risk analysis, mitigation, communications, international disaster management, and the future of emergency management. Through a simulation exercise, the students use publicly available tools to take on the role of an emergency manager. They will be tasked with doing a comprehensive risk assessment of a fictional town and apply the results to a Hazard Vulnerability Assessment (HVA) using different man-made, technological, and natural hazards that culminates in a peer-review assessment.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDMG101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **EDMG220 Emergency Planning (3 semester hours)**

Effective emergency planning is the key to surviving natural and man-made disasters. Risk analysis and the formulation of a comprehensive plan, followed by a vigorous and continuing testing program, are essential elements to surviving an emergency. Topics covered include threat assessment, risk analysis, the formulation of a plan, emergency operations center (EOC) staffing, coordination with supporting agencies, the importance of liaison continuity, actual incident management, and effective follow-up analysis. Various actual case studies are discussed. Students build upon their knowledge and use the Hazard Vulnerability Assessment (HVA) developed in EDMG101. If they have not taken the course, a generic completed HVA will be provided to develop a section of an Emergency Operation Plan. Students will also have the ability to work through a self-paced optional "refresher" module on the creation of the HVA.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDMG220>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **EDMG230 Emergency and Disaster Incident Command (3 semester hours)**

This course is a study of the theory and practice of incident command, the various methods of incident command, and specific focus on the Incident Command System (ICS) used in crises, disasters, and emergency management response systems. The roles and responsibilities of the ICS system are identified. The different agencies and incidents in which the ICS system is used are discussed. Cases are studied in order to assist students in understanding the management and leadership complexity associated with modern emergencies and disasters. The student will participate in a 2D/3D simulation and take on a new role within an incident command scenario shifting from being an information producer, to an information consumer, and decision-maker. The scenario will feature a terrorist event at a university graduation where students will be required to activate their incident command system, working the scenario to its conclusion using decision-making points throughout.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDMG230>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **EDMG240 Chemistry of Hazardous Materials (3 semester hours)**

This course gives the student an in-depth study of the chemistry of hazardous materials as emergency management personnel must deal with these types of materials. The course covers a great amount of material on the chemistry and physical properties of common materials that an emergency responder will commonly find in the course of responding to emergencies. It is important for emergency responders to have this knowledge for the safety of them and others. This course presents the chemical basis for classification of, and emergency response to incidents involving, hazardous materials. It is designed for the non-chemist emergency responder, transporters and others who need to understand the implications of single product and multiple product spills, releases and incidents.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDMG240>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EDMG259 Hazard Mitigation and Preparedness (3 semester hours)**

This course will provide the student with an overview of society's need for planning for hazardous situations. Every community faces the potential of hazards, both natural and manmade. Only when people are injured and property is damaged by a hazard does a disaster occur. Due to patterns of population growth and development in the United States, disasters now occur more frequently than ever before. Mitigation and preparedness strategies are critical ways of making a community more resilient against the impacts of hazards.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDMG259>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EDMG320 Natural Disaster Management (3 semester hours)**

This course covers the basic principles of natural disaster management in the United States. This course highlights several hazard types as topical investigations, as well as the processes and considerations of management options for preparedness, response, recovery, and mitigation. This will include, but not be limited to, understanding basic natural hazard mechanisms, the range of physical and human impacts, linkages to demographic and environmental transitions, and both structural and non-structural mitigation techniques. All management techniques are framed within existing U.S. federal guidelines, however management techniques covered in this course may be applied widely. The course covers organization, operations, training, and other issues associated with the management of natural disasters. The student will participate in a simulation taking on a decision-making role and must react to information about a specific natural disaster that develops over a series of weeks. The students will be presented with a series of weather-related information and will be assigned a specific role. They must make leadership decisions on how they will utilize their resources responding regularly to the incident commander (course professor) explaining what actions need to be carried out along with their rationale for their actions. Wrapping up the scenario, a Hot Wash is conducted with three UP (good) things and three DOWN (need improvement) things and provided to the incident commander so that the student will be able to better handle the next disaster as a lessons-learned phase.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDMG320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EDMG321 Social Media Application to Emergency and Disaster Management (3 semester hours)**

This course explores social media and other forms of communication; their value and limitations in today's environment; and cross-functional employment in support of emergency management, homeland security, and public health emergency operations. In addition, this course evaluates the contributions of the internet and social media within a larger media/public relations context, as a stand-alone mass notification/information-sharing platform, and as part of a communications strategy for disaster response. Through a simulation, the student experiences a vital role within emergency and disaster management, that of a public affairs officer. Within the course, the student explores the utility and challenges of using social media as an emergency management communication tool to support homeland security and public health emergency operations. Using private locked-down Facebook and Twitter groups, students develop social media posts specific to their assigned roles and what they need to convey to the town as the public affairs officers during a severe storm scenario and a terrorist attack threat scenario. In addition to these roles, one student is assigned the role of the antagonist, and another is assigned the disruptor role with the goal of spreading rumors, myths, and misinformation. The purpose is to emulate some of the key challenges that emergency management public affairs officers encounter on a regular basis. The intent is for all students to learn the use of social media and the Center for Disease Control (CDC) Social Media Toolkit as a way to improve their communications during an emergency.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDMG321>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EDMG330 Managerial Issues in Hazardous Materials (3 semester hours)**

This course covers managerial issues in hazardous materials. The impact hazardous materials have on humans, wildlife, and the environment will be covered. The major laws that are applicable to hazardous materials at the Federal, State, and local levels will be discussed. The student will learn about writing an effective contingency plan and the importance of coordination and collaboration across multiple agencies when dealing with a hazardous material response. This course examines all facets of hazardous materials including regulatory issues, hazard analysis, multi-agency contingency planning, response personnel, multi-agency response resources, agency policies, procedures and implementation, public education and emergency information systems, health and safety, command post dynamics, strategic and tactical considerations, recovery and termination procedures, and program evaluation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDMG330>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EDMG340 Consequence Management (3 semester hours)**

This course addresses the potential results from nuclear, biological, and chemical incidents or uses. Topics include public health consequences of such incidents, emergency planning and response measures in place among U.S. agencies, and emerging detection and management technologies. Existing vulnerabilities to these types of incidents and attacks will also be discussed. Objectives of the course include identification of the historical development and use of chemical and biological weapons; definition of the types of chemical and biological weapons and their impacts; analysis of case studies related to the development and use of chemical and biological weapons, and research on chemical and biological warfare.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDMG340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EDMG420 Risk Communications (3 semester hours)**

This course examines media management during local/national disasters and/or events. It will also address the media and all levels of governmental response. The focus will be on actual operations and on-site issues. This course provides the student an arsenal of useable tools and techniques that are universally prescriptive and can be implemented in nearly every risk-associated situation, from public health to accidents to terrorist attacks and even to challenges to corporate reputation management. Students who complete this course will be prepared to make the best possible decisions during a crisis emergency about the affected population's wellbeing, and communicate those decisions, within nearly impossible time constraints, and ultimately, to accept the imperfect nature of choices as the situation evolves.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDMG420>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EDMG498 Senior Seminar in Emergency & Disaster Mgmt. (3 semester hours)**

This senior capstone course allows students majoring in emergency and disaster management to participate in a simulated disaster scenario that develops and spans the entire course using the knowledge and understanding gained through the required courses and a significant number of the major courses in the program. (Prerequisite: Completion of a minimum of 106 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDMG498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EDMG499 Independent Study in Emergency and Disaster Mgmt (3 semester hours)**

This course gives students an opportunity to pursue an independent research project or examine a specific area of study under the mentorship of a single professor. The course is open to upper division students only. Participation is at the discretion of the faculty member and must be approved by the Program Director or Dean. The course will typically involve a major research paper (20-30 pages). Students will submit a proposal prior to the start of the course. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact their academic advisor. Once the course is open the student must complete an official online registration for the course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EDMG499>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## Emergency Management (EXOD)

### **EXOD299 Sophomore Seminar in Explosive Ordnance Disposal (3 semester hours)**

This course is a culminating course for the Associate of Science in Explosive Ordnance Disposal degree. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Explosive Ordnance Disposal. The student will complete an approved academic project or paper that demonstrates the student's grasp of the explosive ordnance disposal field. This is a culminating course to be taken after all other Associate of Science in Explosive Ordnance Disposal courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. Prerequisite: This course is to be taken as the LAST course in the AS in the Explosive Ordnance Disposal Program.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EXOD299>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



# Engineering (ELEN)

## **ELEN100 Introduction to Electrical Engineering (3 semester hours)**

This is an introductory course that incorporates labs and project based learning. The course uses the IEEE® Code of Ethics to apply ethics to engineering scenarios, as well as research the Electrical Engineering field and apply engineering design principles that will be used in Electrical Engineering courses. Students will examine and explore various electrical engineering concepts and components and use them to build working projects that sense temperature, read switches, write data to displays, drive LEDs, and generate audio signals. Students will use graphical system software to verify project performance. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. IEEE® is a registered trademark of the Institute of Electrical and Electronics Engineers, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ELEN201 Circuits I (3 semester hours)**

This course presents concepts associated with DC circuit analysis and synthesis including: resistance, capacitance, inductance, Ohm's Law, Kirchhoff's Laws, node voltage analysis, mesh current analysis, superposition, Thevenin-Norton equivalents, and operational amplifiers. (Prerequisites: MATH240 and SCIN234)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ELEN202 Circuits II (3 semester hours)**

This course presents concepts associated with AC circuit analysis and synthesis including sinusoidal steady-state analysis, electric power, 3-phase power, magnetically coupled coils, frequency selective circuits, Laplace domain representations of circuits, and Fourier series representations of periodic waveforms. (Prerequisite: ELEN201)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ELEN210 Engineering Instrumentation and Measurements (3 semester hours)**

This course will present important measurement techniques and instruments used in electrical engineering. An overview of the modern International System of Units (SI), including important units outside the SI standard will be discussed. Measurement errors, measurement uncertainty, and instrumentation limits on errors will be introduced as well as measurement elements such as resistors, capacitors, inductors, laboratory voltage sources, and analog measuring instruments. The course will also cover compensation measurement methods and introduce AC and DC calibration techniques. Additionally, the uses and testing methods of instrument transformers, operational amplifiers (opamps), and oscilloscopes will be presented. A description of the construction of the digital voltmeter and an overview of analog to digital converters will be provided. Finally, the course describes various measurement systems that students will use throughout the curriculum including the most popular sensors, signal conditioning, computer algorithms, and data acquisition hardware. (Prerequisites: MATH240 and SCIN234) NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN210>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ELEN306 Analog Circuit Theory (4 semester hours)**

This course presents basic elements in analog circuit design. Initially operational amplifiers will be discussed, including design and implementation of practical amplifier and feedback circuits. Other analog elements such as diodes and transistors will be introduced combined with previously discussed passive components to design DC power supplies, audio amplifiers, active filters and oscillators along with other applications. Students will gain a fundamental understanding of the key analog circuit components and the basic skills to create and implement practical designs. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. (Prerequisite: ELEN202)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN306>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ELEN307 Digital Circuit Theory (4 semester hours)**

This course presents digital and logic circuit analysis and design. The course covers six main parts: Boolean algebra and Boolean function simplification; basic logic gates, combinational functional blocks, and combinational circuit design using gates and functional blocks; digital circuit description by VHDL language; basic flip-flops, sequential circuit analysis and design; registers, static and dynamic memories, ROM and RAM, programmable logic devices, and field programmable gate arrays (FPGA's); and register transfer language, basic computer structure, operation and design. Students will be introduced to the concepts of digital circuit theory and design, will practice with circuit analysis software, will gain solid skills to analyze and design digital circuits for various applications, and will get familiar with the structure and operation of a digital processor. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. (Prerequisite: ELEN202)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN307>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ELEN310 Continuous and Discrete Signals and Systems (4 semester hours)**

This course presents signal and system description and characterization in the time and frequency domains for linear time-invariant (LTIV) systems. Time domain topics include differential and difference equations; convolution; and Fourier Series. Frequency domain material will incorporate Fourier transforms; Laplace transforms; z-transforms; and system description via transfer functions. The sampling theorem will be addressed. State-space representation of LTIV systems in either the time or frequency domains will be introduced. The course will show students how to characterize and analyze systems in either time or frequency and transform between domains. Students will be shown how to determine and apply a correct technique to either analyze an existing system or design a system to meet specifications. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. (Prerequisites: ELEN202 and MATH210)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ELEN315 Energy Conversion Processes and Power Systems (3 semester hours)**

This course presents concepts related to energy conversion and transport and provides the foundation for understanding power generation and distribution. Energy conversion in electrical, electromagnetic, electromechanical and electrochemical systems will be discussed. Different forms of power generation, both AC and DC, will be covered along with single-phase and three-phase power, transmission lines, and transformers. The course will also cover AC and DC motors, motor control, power measurement, switches and rectifiers. An introduction to power electronics will be also be presented, demonstrating the circuits used to interface both traditional and emerging alternative energy sources to the existing distribution system and homes. The course will center on a practical understanding of individual components and applying this knowledge to discussions of large and small scale energy systems. Students will gain the fundamental skill set to understand our electrical grid and power generation. (Prerequisites: ELEN202 and ELEN350)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN315>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ELEN350 Electromagnetic Field Theory (3 semester hours)**

This course teaches the physics and applications of electromagnetic field theory as encapsulated in the vector form of Maxwell's equations. The class will show how these laws govern the design and bound the performance of electronic devices, circuits, and systems. This course covers the following topics from field theory to include magnetic materials and forces, inductance, Coulomb's law, Gauss's Law, energy, divergence, electrical potential, conductors, dielectrics materials, capacitance, Ampere's Law, boundary value problems, Biot-Savart Law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations. As part of the course, students will develop Maxwell's Equations from electric and magnetic field experimental laws. This course will also cover wave propagation in free space and in transmission lines and characteristics of radiating structures such as antennas. (Prerequisites: MATH227 and MATH240) NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN350>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ELEN416 Control Systems Theory and Design (3 semester hours)**

This course covers the basic principles of frequency- and time-domain design techniques. Classical methods covered include Laplace transforms and transfer functions; root locus design; Routh-Hurwitz stability analysis; frequency response methods including Bode, Nyquist, and Nichols; steady state error for standard test signals; second order system approximations; and phase and gain margin and bandwidth. In addition, the state variable method is investigated including full state feedback design, and limitations of state variable feedback. The student will learn to use computers in the analysis and design of control systems. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. (Prerequisite: ELEN310)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN416>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ELEN420 Communication Systems (3 semester hours)**

The course covers statistical communication theory including amplitude, frequency, and pulse code modulation; description of random process by auto-correlation and power spectral density functions, sources and properties of electrical noise and its effect on communication systems, the effects of modulation, detection and filtering on signal information content, and bandwidth and signal-to-noise ratio. Topics include: a review of signals and systems, power spectral density, amplitude modulation, angle modulation, pulse modulation, a review of probability and random variables, and an introduction to digital transmission systems. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. (Prerequisites: ELEN310, ELEN325 or ELEN350, and MATH303 or MATH328)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN420>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ELEN421 RF/Microwave Engineering I (3 semester hours)**

This course covers the fundamental concepts of passive microwave circuit analysis and design. Topics include electromagnetic theory, propagation of electromagnetic waves in various transmission media, microwave network analysis, the Smith Chart, impedance matching & tuning, resonators, power dividers, directional couplers, and microwave filters. At the end of this course, you will have an understanding of the key concepts and components associated with passive microwave circuits. (Prerequisites: ELEN350) NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN421>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ELEN422 RF/Microwave Engineering II (4 semester hours)**

This course expands upon the knowledge gained in ELEN421 RF/Microwave Engineering I. It introduces active microwave components and the cascading of components to form microwave circuits, sub-systems, and systems. Topics include amplifiers, mixers, receivers, frequency synthesizers, modulators, wireless systems and typical figures of merit such as gain, noise figure and third order intercept point. At the end of this course, you will have an understanding of the key concepts and basic theories associated with microwave circuits and systems. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. (Prerequisite: ELEN421)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN422>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ELEN427 Radar Systems Theory (4 semester hours)**

This course is an in-depth coverage of the theory of radar and RF signal propagation, transmission, and reception. Topics covered include the radar range equation; antenna patterns; target cross section; system losses; calculation of signal-to-interference ratios; detection probability; target scintillation; main lobe and side lobe clutter; and moving target indicator (MTI) and pulse Doppler processing. Radar system hardware including transmitters, receivers, and antennas will be introduced and system block diagrams created. Classification of radar types into search, track, or mapping systems will be discussed. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. (Prerequisite: ELEN420)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN427>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ELEN430 Embedded Systems Design (3 semester hours)**

The fundamentals of embedded system hardware and firmware design will be covered in this course. The main topics to be discussed are: embedded processor selection, hardware/firmware partitioning, glue logic, circuit design, circuit layout, circuit debugging, development tools, firmware architecture, firmware design, and firmware debugging. The Atmel AVR series microcontroller will be studied. The architecture and instruction set of the microcontroller will be discussed. A microcontroller development board will be utilized as a development and debugging platform. The course will culminate in a significant final project and will include interfacing real world peripherals to the microcontroller to perform some specific task. Depending on the interests of the students and professor, other relevant topics may be covered. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. (Prerequisites: ELEN307 and ENGR200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN430>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ELEN432 Microcontroller Based Systems (3 semester hours)**

This course is an introduction to microcontroller-based systems. Topics in the class include microprocessor/microcontroller organization, instruction sets, assembly language programming, analog and digital interfacing, and design of microcontroller based systems. Emphasis is on design, labs and projects in the course, including written and oral communication for project summaries and results. (Prerequisite: ELEN307)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN432>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ELEN435 Introduction to Power Electronics (4 semester hours)**

This course takes a student with a basic understanding of circuit analysis and introduces them to the functionality, topography, and regulation of power electronic devices. Students will become skilled in power computations based on load design, conversion of DC/DC, DC/AC, AC/DC, and AC/AC circuits, rectifiers, voltage controllers, power supplies, inverters, and operations of semiconductor devices, and basic switching circuits. Students will also delve into software tools with embedded power electronic equations to simulate and investigate the behavior of power electronic circuits under various load settings and heat sync scenarios. They will also utilize software to experiment and manipulate power electronic equations and observe voltage and current waveforms. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. (Prerequisites: ELEN306 and ELEN325 or ELEN350)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN435>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ELEN440 Mechatronics (4 semester hours)**

This course covers the foundational concepts in mechatronics. It introduces students to the required skills necessary to design a complete mechatronic system. Students will learn about the use and integration of sensors, actuators, microcontrollers, and various types of software required to interact with hardware. Students will gain a system-of-systems approach to designing a complete mechatronics system and how to structure and interface to electromechanical systems. They will also gain practical experience through laboratory exercises in design of graphical user interfaces and real-time operating systems needed to control mechatronic systems. Students will also design feedback control systems with time and task constraints. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. (Prerequisites: ELEN312 or ELEN315, and ELEN416)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN440>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ELEN498 Senior Seminar Design (3 semester hours)**

This seminar is a senior-level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in electrical engineering. The student will design an approved project that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. Prerequisite: Completion of a minimum of 110 hours towards your program. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**ELEN499 Senior Seminar Project (3 semester hours)**

After completing the design of their approved project in ELEN498 - Senior Seminar Design, students will implement that design into a working prototype and write a senior thesis. The senior thesis will be completed and an oral defense presented. Selected senior papers will be retained in our library. The student is further encouraged to submit work to peer reviewed journals, conference proceedings, and/or senior design competitions.

NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. (Prerequisite: ELEN498)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ELEN499>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Engineering (ENGR)

## **ENGR200 Introduction to Engineering and Computing (3 semester hours)**

This course provides an overview of the engineering profession and introduces the student to writing computer programs. The course provides information about different engineering disciplines and gives an overview of electrical engineering. The APUS electrical engineering concentrations are introduced and it describes what career opportunities are available in those concentrations. Additional Engineering subjects are presented including Engineering Ethics and Management. The class presents the principles of structured programming using the C++ language. The course is designed for engineering students without previous programming experience. Topics include: Introductions to computers, C++ programming, classes, objects, strings, control statements, recursion, functions, arrays, vectors, and pointers. Finally, an introductory engineering design problem will be presented which gives the students an opportunity to solve a problem. (Prerequisite: ELEN100)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGR200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ENGR300 Fundamentals of Mechanical Engineering (3 semester hours)**

This course presents the fundamental mechanical principles of engineering required for any course of study in the engineering sciences. The student will be introduced to the principles and applications of statics, dynamics, thermodynamics and heat transfer. Students will study the interaction between mechanical and electrical systems and apply analogies between the two. Topics include: Technical problem solving and communication skills; Forces in Structures and Machines; Materials and Stresses; Fluids Engineering; Thermal and Energy Systems; Motion and Power Transmission. Finally, the course will present the essentials of the mechanical engineering profession and where it fits in the world of technology. (Prerequisites: SCIN234 and MATH240)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGR300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# English (ENGL)

## **ENGL101 Proficiency in Writing (3 semester hours)**

Playing third base doesn't come naturally to most folks; instead, it requires dedication to become good at it. In the same way, learning how to cook or developing a new app takes a lot of time and commitment. As with any new skill, perseverance and consistent daily practice lead to success. And so it is with writing. It's not the mystery most people make it out to be; in fact, when you get right down to it, writing is pretty formulaic. It's a series of skills that, once learned, require a commitment to practicing them. In other words, no one is born a great writer; instead, writers learn their craft through hard work. ENGL101 identifies the basic building blocks of writing, and as each new skill is learned, it is practiced in a safe and supportive environment. Come take the mystery out of writing in ENGL101: Proficiency in Writing.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ENGL110 Making Writing Relevant (3 semester hours)**

Martin Luther King, Jr. said, "If you can't fly, then run. If you can't run, then walk. If you can't walk, then crawl. But whatever you do, you have to KEEP MOVING." Making Writing Relevant is a composition course that will definitely keep you moving. It is not merely a required course; it is the type of course you will want to take because it moves you onto the path to success. Over eight-weeks, we will help you learn the most important components of a successful writer-communicator. We will teach you how to research properly, knowing you will need this skill in every course you take here at APUS and also in interactions in your professional and personal life. We will teach you the formatting style you will use in your field. We will provide a supportive community to strengthen and encourage you, and by the end of this nearly-all-you-need-to-know-about-writing course, you will be able to fly.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL110>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ENGL112 Writing the College Essay (3 semester hours)**

ENGL112 is an elective course designed to help students navigate the college level essay. The course will work through all aspects of the writing process, from choosing topics and preliminary research, to effectively revising and editing a final draft. The course will also review fundamentals of grammar, including punctuation, correct sentence structure, and parts of speech. This course will help those students with limited experience writing academic essays as well as those in need of a refresher, as they prepare for academic writing in other courses.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL112>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ENGL115 Argumentation and Rhetoric (3 semester hours)**

Presidents winning elections, countries declaring war, spouses saving a marriage, students earning scholarships—all of these have something in common: argumentation. Mountains have been moved by masters of this craft. Just think of what such people as Martin Luther King, Jr., Franklin D. Roosevelt, and Abraham Lincoln achieved with the power of their words. There is, as Horace says, harmony in discord. We will explore that harmony and why Fredrick Douglass said there can be no progress without struggle. In this class, we will examine argument strategies and structures, interrogate assumptions, explore moral arguments with complex empirical questions, and analyze a variety of texts—popular culture, websites, advertisements, etc. Be prepared to work with a variety of evidence and opinions, cultures, counterclaims, evidentiary quality, and more, as we study and practice the art of argumentation. (Pre-requisite: ENGL101 or ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL115>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ENGL125 Introduction to Creative Writing (3 semester hours)**

Everyone has a story to tell. Our lives are filled with characters, are rich in texture, and have plots and storylines screaming to be told. Within each of us is a writer yearning to share that story. This course is designed to reach into you and pull that writer into the wonderful world of creative writing. You will learn how to build memorable characters, write incisive dialogue, and craft scenery that will make your readers want to buy a ticket to go there. If you have ever dreamt of being published or just want to flex your creative brain cells, this is the course for you. As one writer, Rodney White, so succinctly wrote: It takes nothing to dream and everything not to. Start your writing dreams today. Who knows where they might take you? (Pre-requisite: ENGL101 or ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL125>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **ENGL210 Introduction to Literature (3 semester hours)**

Do you enjoy horror, romantic, adventure, or science fiction stories? Do you find song lyrics poetic? Have you ever fancied yourself a director, debater, or film critic? Many APUS students have been enthralled with ENGL210 – a special course that gives students access to many worlds, plots, themes, and voices. You will enter the deep catacombs of Italy, feel the thrill of detective work, relish in the beauty of lyrical poetry, and experience historical events through a first-person perspective. Also, in ENGL210, you will feel what it is like to be a critic, director, author, and audience member. Come join an entertaining way to gain insight into the human experience!

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL210>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENGL220 Technical Writing (3 semester hours)**

ENGL220 introduces students to several different forms of technical writing while challenging them to engage regularly with the field at a scholarly level. Major concepts include collaboration, audience, document design, persuasion, the use of mobile technologies, and revision. In this course, readings are discovered by students in relevant technical writing journals in the AMU/APUS Trefry Library. As students hone their academic research skills, they are tasked with reporting back to their peers regarding the found articles that are relevant to that week's writing objectives. Weekly class discussions are set up to simulate the technical writing work groups that are routinely found in companies and organizations, and should offer students a place to brainstorm and refine ideas for their larger assignments. Students will compose product proposals, instructions, labels, and a final web-based product manual. These assignments are designed to build on one another and culminate in the final project which can be included in a professional portfolio. (Prerequisites: ENGL101 or ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL220>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENGL221 Scientific Writing (3 semester hours)**

Volcanoes. Biochemistry. Space studies. Whether pursuit of scientific knowledge is for personal interest or career progression, ENGL221 gives you the knowledge and skills to understand how and why scientific writing is different from other writing styles. As a launch pad to study rocket science or gather data to advocate for environmental protection policies, this course will provide the groundwork for presenting relevant data to all scientific disciplines. We will learn the basics and practice writing various sections of a scientific paper, including the abstract, introduction, materials and methods, results, discussion, conclusion, and references. ENGL221 will explore the unique structure, style, process, and documentation found in scientific writing. (Prerequisites: ENGL101 or ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL221>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENGL226 Effective Business Communication (3 semester hours)**

In the modern workplace driven by technology, business is about relationships, and the written word connects us. This course teaches us how to build those relationships, efficiently and effectively, through composing common types of business messages. We will focus on writing emails, memos, and letters as well as social media content, presentations, and personal resumes and cover letters. Develop professional communication skills to articulate your ideas and purpose to diverse business audiences in clear, concise, correct, coherent, and credible ways. (Pre-requisite: ENGL101 or ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL226>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENGL235 Take on the World: An Introduction to Linguistics (3 semester hours)**

Would you like to be a better writer? Are you interested in learning a second language? Have you ever wondered how some people can write great speeches or read a literary passage, easily understanding the deeper, hidden meanings? Were you aware that languages comprised of gestures or sounds all carry their own unique structure (for example, American Sign Language or Khoisan in Africa, consisting of series of clicks)? Did you know that even animals have a linguistic structure through their calls, and insects like bees and ants use body movement to structure their communication? This course is your key to unlocking these questions and some of the best secrets of the English language. (Pre-requisite: ENGL101 or ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL235>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **ENGL300 Research, Analysis, and Writing (3 semester hours)**

Writer Zora Neale Hurston describes research as “formalized curiosity. It is poking and prying with a purpose.” This course will help students hone their research skills, along with all other aspects of academic writing. Students will receive step-by-step guidance through the process while writing about topics they want to explore. In this course, students will learn how to compose thoughtful research questions, gather and evaluate supporting facts, and create an organized outline for a research paper. Students will also learn how to properly cite sources, avoid plagiarism, flesh out a research paper’s paragraphs with substantive details, and turn in a polished final paper. Students will work within a supportive university community and will receive plentiful, constructive feedback.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENGL320 Freelance Writing (3 semester hours)**

Have you ever wondered where magazines, newspapers, websites, and blogs find the content they deliver? In our current age of information, there is an increasing reliance on freelance writers to take on articles of interest and to fill the gaps in both online and print publications. ENGL320 will teach you how to successfully pitch an article or idea via an industry-standard query letter, write hooks and ledes that will capture an editor’s attention, and execute a variety of non-fiction articles for unique audiences. Additional topics include performing market research to determine the best home for your article, how to handle rejection gracefully, and how to fine-tune and polish your writing for publication. In ENGL320, you will learn practical skills that can be immediately applied to help advance your non-fiction writing career, so whether you’re ready to find an audience for your work or you just want to see what freelance writing is all about, this is the course for you! (Prerequisites: ENGL101 or ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENGL322 The Personal Essay (3 semester hours)**

Whether we realize it or not, we encounter unique characters, settings, circumstances, and situations nearly every day in almost every way we interact in the world. These encounters are filled with meaning that can only be unlocked through deep processing of the events and an evaluation of their effects on our lives. In ENGL322, we learn how to process our encounters and interactions. In order to become compelling first-person narrators, then, we will study what forms a personal essay can take. We will read a wide variety of essays that will act as models of good writing and choose from among them those that resonate with us. Then, we will write our own personal accounts, using the components of voice, setting, structure, theme, and style. In this way, we will develop a richer understanding of the world in which we interact. (Pre-requisite: ENGL101 or ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL322>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENGL402 WordPlay: A Biography of the English Language (3 semester hours)**

Mysterious ancient runes carved into a sword hilt, fierce Germanic kingdoms, and Viking marauders—the history of our language is rooted in artifacts of breathtaking power and the spirit of warriors who came to the British Isles. Civilized by the French courts, seeking adventure along the Silk Road, and embracing democracy in the Americas, English would eventually reign in the world’s corridors of power. Now, a sophisticated tool in the hands of wordcrafters, English is a language of strength, beauty, and caprice. Continue the adventure with us in ENGL402 WordPlay: A Biography of the English Language where we will explore English from its oral roots right up to its modern-day artistry. (Pre-requisite: ENGL101 or ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL402>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENGL420 Advanced Creative Writing (3 semester hours)**

Writing is an expression of self. It is the process of putting yourself, your thoughts, your ideas, your deepest fantasies, and your greatest fears on paper. Nobody writes the way you do! And nobody can write what you choose to write in the same exact way! ENGL420 will focus on maximizing self-expression in writing; in other words, together, we will discover the voice inside longing to be heard, longing to sing out. We will hone your writing ability using tried and true techniques so that you can tell your stories in a way that is accessible to others. In ENGL420, we will explore fiction, creative nonfiction, poetry, songwriting and screenwriting, and develop the tools and the methods necessary to know the differences among them. Bring your creative spirit, your imagination, and your willingness to risk to write the story of your life. (Pre-requisite: ENGL101 or ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL420>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**ENGL498 Senior Seminar in English (3 semester hours)**

So the end is in sight ... now it's time to show us what you can do. In this course we will work through the process of creating a formal thesis in the form of a literary analysis essay that demonstrates the critical skills you have developed in your years as an English major. You will pick one literary work and dive deeply into it to engage the critical conversation surrounding it. The 10-15 page essay you produce will not only demonstrate your skills, but also serve as a formal writing sample for those of you intending to pursue graduate education. (Prerequisite: Completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENGL498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Environmental Science (EVSP)

## **EVSP180 Introduction to Environmental Science (3 semester hours)**

This course will give students the opportunity to learn and connect with the central issues in environmental science, from ecological to social to economic considerations. The basic concepts of ecology, geography, chemistry, economics, ethics, policy, and many other disciplines will be used to examine the overarching role that humans play in our planetary environmental problems, successes, and solutions. Assignments will allow students to collect and evaluate qualitative and quantitative data regarding the human-environment relationship. Lifestyle examination, ethical considerations, and critical analysis of individual contributions to local and global impacts in regards to environmental sustainability will be emphasized. This is a course primarily for a non-scientist.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP180>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **EVSP201 Environmental Economics (3 semester hours)**

This course provides an introduction to the economics of natural resource management and environmental policy. Topics include benefit-cost analysis, valuation, market failure, pollution control, sustainable development, market-based environmental policy, and the economics of renewable and non-renewable resource management.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **EVSP204 Hunting & Wildlife Conservation (3 semester hours)**

This course gives students the opportunity to learn and connect issues in wildlife conservation as they pertain to hunting. Basic concepts of ecology, ethics, human health, policy, economics, history, culture, and other disciplines will be used to examine the role hunting plays in wildlife and conservation management. Assignments allow students to study issues and topics surrounding hunting in the U.S. and around the world. These include the following topics: endangered species and associated policies worldwide, the hunter's role in wildlife conservation, infectious diseases of game animals transmittable to humans, government's role in hunting regulations, major hunting and anti-hunting organizations, conservation management funding, invasive species, cultural differences within and outside the U.S., economic impact of hunting, and perceptions and myths of hunting.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP204>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **EVSP309 Atmospheric Science (3 semester hours)**

Atmospheric science is an applied discipline that focuses on the structure and circulation of the atmosphere, global climate change and dynamics, air quality, and other processes that impact humans and the environment. Topics discussed in the course include meteorology, atmospheric physics, atmospheric chemistry, and climate dynamics. Students will also have opportunities to observe and discuss both past, current, and near real-time weather and air quality conditions to better understand the atmosphere's complexity.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP309>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **EVSP310 Water Science (3 semester hours)**

An overview course on water sources, uses, management and conservation; biological, economic, and health issues. The course will use chemical and engineering approaches to water and wastewater treatment. It includes studies for assessing chemicals in water and wastewater. Students will cover the application of standardized analytical methods for evaluating water quality. (Prerequisites: BIOL133 or SCIN130 and MATH302)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **EVSP311 Soil Science (3 semester hours)**

A fundamental study of soil properties and reactions critical to the evaluation of how contaminants, as well as essential nutrients, behave in the soil environment. Interactions of potential pollutants with soils and the aquatic and atmospheric environments are emphasized. Methods of soil management or remediation to minimize pollution are presented.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP312 Introduction to Sustainability (3 semester hours)**

This course will introduce students to the principles of environmental sustainability. Students will explore various aspects of sustainability, including energy use, industrial processes, waste generation and disposal, and the built environment. As part of the focus on solutions, the course will introduce students to tools society can use to attain and implement sustainable practices, such as policy, law, education and communication, marketing, research advocacy, and international agreements and collaboration.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP312>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP316 U.S. Federal Environmental Organization (3 semester hours)**

This course is a study of the environmental organization at the federal level, to include duties and responsibilities of federal environmentally-focused agencies, non-environmental agencies and organizations that have environmental impact or related responsibilities, and other federal administrative issues focused on environmental bureaucracy, contracting, and/or outsourcing to private organizations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP316>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP320 Energy and Resource Sustainability (3 semester hours)**

This course will introduce students to current and future trends in energy technology, policy, and sustainability. It will address topics such as resource sustainability, relevant aspects of economics, sociology of innovation diffusion, product design principles, and the environmental impacts of existing and emerging energy technologies. Analysis of the range of current and future energy choices will be stressed, as well as the role of energy in determining local environmental conditions and the global climate.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP321 Land Use and Planning (3 semester hours)**

This course will introduce students to the basic methods of land use planning, including: goal development and formalization, planning intelligence and information systems, population forecasting, land use forecasting, land suitability analysis, land use location requirements, land classification planning, natural/sustainable land use design, and the analysis of regional or local land use plans. Through lecture, discussion, case studies, and assignments, the class will examine fundamental land use controls (i.e., General Plans and Zoning), land use policy, and contemporary land use management techniques.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP321>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP322 Remote Sensing and Geographic Information Systems (3 semester hours)**

This course illustrates the fundamental concepts of GIS and remote sensing technologies in the context of land use planning and management. Topics include the physical basis for remote sensing, remote sensing systems, digital image processing, data structures, database design, and spatial data analysis. The course is not intended to provide students with extensive training in particular image processing or GIS packages; however course exercises and the final project will require GIS data analysis and presentation skills.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP322>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP330 Fish and Wildlife Policies, Programs, and Issues (3 semester hours)**

This course focuses on national fish and wildlife policy, programs, and contemporary issues. Topics addressed in the course include historical and contemporary fish and wildlife policy; major fish and wildlife federal, state, and local programs; economic incentives and disincentives associated with fish and wildlife; and non-U.S. approaches to fish and wildlife issues.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP330>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP331 Public Lands Management (3 semester hours)**

This course focuses on the federal, state, and local agencies, policies, strategies, and public law that influences the public lands management of the United States, and, to a lesser extent, other countries. The focus of the course is the historical and contemporary land management approaches used to protect, exploit, manage, and/or use public lands in the United States. Topics include jurisdictional issues over public land, federal agencies involved in land management, state and local issues and land management, and contemporary issues associated with land management in the 21st Century.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP331>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP341 Introduction to Wildlife Management (3 semester hours)**

The course explores conceptually the ecological knowledge needed for wildlife conservation, including how species behavior and life history evolves and ultimately how that shapes wildlife populations. Traditional wildlife management topics will be included, along with an added emphasis on ethological implications that affect biological diversity. In addition, human behavior and its impact on wildlife populations and diversity will be studied through case studies, scientific literature, and assigned readings.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP341>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP342 Population Ecology (3 semester hours)**

This course examines the fundamental laws of population ecology, providing an overview of the underpinnings of population theory. Emphasis is placed on these principles as applied to conservation and management of fish and wildlife populations. Topics include assessing extinction risk of rare species, invasion dynamics of exotic species, demographic and environmental stochasticity, metapopulation dynamics, structured populations, species interactions, interspecific interactions, and micro-evolutionary processes. Use of case studies will demonstrate the application of population ecology models and methods to the management of fish and wildlife populations, and provide the opportunity to apply concepts to current problems and challenges in this field. Students will complete quantitative analyses throughout this course, and a familiarity with college algebra or statistics is encouraged.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP342>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP411 Environmental Policy, Regulation, and Law (3 semester hours)**

This course is an introduction to environmental policy, regulation, and law in the U.S. Subjects covered will include command and control of regulation, air quality, water quality, control of toxic materials, waste management, energy, and natural resources.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP411>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP413 Environmental and Ecosystems Management (3 semester hours)**

This course focuses on contemporary theories and practices associated with environmental and ecosystems management. Industrial, economic, commercial, political, developmental, and other issues and concerns that influence environmental and ecosystems management are addressed. (Prerequisite: EVSP310)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP413>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP414 Air Quality Management (3 semester hours)**

In this course, the student will examine types of outdoor and indoor air pollutants, their sources, health effects, environmental and aesthetic effects, and methods of measurement and control. An in-depth review of the regulatory framework for air quality in the U.S. and related international treaties and agreements will be explored.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP414>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP415 Environmental Impact Assessment (3 semester hours)**

This course focuses on the processes, tools, and techniques used to analyze environmental problems, establish state and federal standards, develop environmental impact statements, and make decisions regarding the environment. Students will analyze actual problems, study real environmental impact cases, and learn to use various environmental impact methodologies.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP415>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP416 General Ecology (3 semester hours)**

This course provides an intensive treatment of the field of ecology. Ecology is the scientific study of the interactions among organisms and their environment, which explains the distribution and dynamics of organisms, their traits, and the effects that they have on the natural world. Students will learn that ecology is an integrative discipline that draws from various fields of biology (physiology, morphology, behavior, evolution) and natural sciences (e.g., geology and chemistry), as well as other disciplines (e.g., economics and social sciences). The focus of the course will be on identifying and recommending solutions to ecological problems, e.g., habitat destruction and fragmentation, biodiversity, global environmental change, desertification, acidification of the oceans, and others.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP416>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP417 Conservation Biology (3 semester hours)**

This course examines the fundamental biological and ecological principles of conservation biology. Instruction covers measures of biological diversity, species concepts, genetics of small population viability analysis, and metapopulation dynamics; habitat fragmentation including edge effects, corridors and patch dynamics; reserve design principles; setting biodiversity priorities; and monitoring indices. Changes in land use patterns and the science of Landscape Ecology are also investigated. Current conservation techniques are reviewed through the use of case studies and computer exercises. (Prerequisites: BIOL133 or SCIN130)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP417>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP418 Green Infrastructure and Renewable Technologies (3 semester hours)**

This course will introduce students to the concepts of green infrastructure planning and design and the implementation of renewable technologies. The framework presented for planning and design will focus on increasing the performance of green infrastructure systems. Students will examine case studies and participate in exercises to develop richly layered, interconnected, and sustainable communities that increase human health and ecological resilience.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP418>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP421 Water Resources Management (3 semester hours)**

This course is designed to review the practical application of watershed planning as a tool to manage land, water, and ecosystem resources. Students will explore the public policies and practices of watershed planning by examining case studies in water supply, water quality, drought, floodplain, and storm water management in the U.S. The watershed management curriculum will utilize a multi-disciplinary approach, involving the fields of geography, environmental science, geology, public policy, urban and regional land planning, geographic information systems (GIS) and engineering.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP421>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **EVSP430 Pollution and Pollution Management (3 semester hours)**

This course focuses on pollution, its influence on the environment and ecosystems, and the major strategies designed to prevent or contain it. Topics include basic principles in pollution management, air pollution, marine and freshwater pollution, managing radiation, and the influence of society on pollution management. No prior experience with pollution management is needed, although the student is expected to have enthusiasm for the subject matter.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP430>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**EVSP498 Senior Seminar in Environmental Science (3 semester hours)**

As a senior seminar, this course will provide a review of core program content and a springboard for more advanced discussion on topics covered throughout the degree program. Students will review and analyze the environmental problem solving process with consideration for the social, environmental, and economic components. This capstone course will provide students with the opportunity to reflect on the course work and demonstrate knowledge of their selected concentration field of study. This is a capstone course to be taken after the environmental science courses have been satisfactorily completed. (Prerequisite: Completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=EVSP498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Esports (ESPT)

## **ESPT101 Introduction to Esports (3 semester hours)**

This course provides students with an overview of the history of esports, the esports ecosystem, esports athlete culture, and other relevant topics within the industry. Students will be introduced to the interdisciplinary nature of the esports industry and how it affects stakeholders.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ESPT101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ESPT201 Contemporary Issues in Esports (3 semester hours)**

This course provides students with an understanding of current events and important ethical issues of the modern esports industry. The course offers an understanding of contemporary issues and allows students to apply their knowledge to the current industry. Students will assess the field of esports from different perspectives, debate contemporary issues, and respectfully engage in discourse regarding controversial topics in esports.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ESPT201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ESPT205 The Business of Esports (3 semester hours)**

This course provides a comprehensive examination of the business aspects of the esports industry. Students will examine esports concepts related, but not limited to, marketing, revenue generation, and sponsorship. The students will apply their knowledge learned in class to the current industry in order to develop practical takeaways and deliverables that can be used in professional settings. (Prerequisite: ESPT101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ESPT205>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ESPT210 Esports Event and Facility Management (3 semester hours)**

This course will teach students how to plan, organize, and manage esports events and competitions. Concepts related to format, event size, purpose, and funding will be discussed. Students will also learn how to effectively plan and manage an esports facility. (Prerequisite: ESPT201)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ESPT210>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ESPT310 Policy Regulations and the Esports Ecosystem (3 semester hours)**

This course provides an in-depth analysis of the governance structures and policies that exist in esports at various levels of competition and in international settings. Students gain an understanding of how esports competitions are structured in order to provide a fair level of play. Ideas related to international levels of competitions and associated regulations will be discussed. (Prerequisite: ESPT201)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ESPT310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ESPT320 Esports Player Development (3 semester hours)**

This course provides students with current knowledge and best practices to aid with effective esports athlete development. Students learn the basics of wellness, physical training, and other relevant aspects that may affect overall player performance. Additionally, students will analyze current coaching methodologies and gain a holistic understanding of the factors that affect esports player development. (Prerequisite: ESPT201)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ESPT320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ESPT340 Esports Media and Production (3 semester hours)**

This course familiarizes students with the tools and platforms used for digital media management and production within esports. Students learn the skills necessary to create and manage content for an esports organization or event. The elements of a high-quality broadcast production will also be covered. (Prerequisite: ESPT201)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ESPT340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



**ESPT498 Externship in Esports (6 semester hours)**

This course is designed to provide students with an opportunity to gain real-world experience within the esports industry. Students will proactively work with industry professionals, faculty, and the University's Career Services team to research and identify best-fit opportunities in advance of the externship course. (Prerequisites: All ESPT course courses)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ESPT498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**ESPT499 Seminar in Esports (3 semester hours)**

This senior capstone class is the final course in the degree sequence for students majoring in Esports. Students will review, assess, and then apply many of the concepts they have researched during undergraduate studies through the analysis and application of optimal solutions to the problems presented. Real-life, hands-on tools for career exploration will also be examined through lively discussions, including an investigation of the job market in esports, as well as how to properly network and prepare for a job interview. (Prerequisites: All ESPT course courses)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ESPT499>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Finance (FINC)

## **FINC300 Foundations of Financial Management (3 semester hours)**

This course is an overview study of the concepts and techniques in finance for non-financial managers. The course will cover basic financial tools and principles for both small and large business. Topics include financial and securities markets, financial statements and analysis, capital budgeting, management, and decision-making. Students must have access to Microsoft Word® and Microsoft Excel® software. Microsoft Word® and Microsoft Excel® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FINC300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **FINC400 Principles of Financial Management (3 semester hours)**

This course is an overview study of the concepts and techniques in corporate finance. Topics include investments, financial environment, securities markets, financial markets, financial statements and analysis, working capital management, capital budgeting, cost of capital, dividend policy, asset valuation, and decision-making. Students must have access to Microsoft Word® and Microsoft Excel® software. Microsoft Word® and Microsoft Excel® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FINC400>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **FINC405 Budget Development and Execution (3 semester hours)**

This course provides an in-depth focus and analysis of the four phases of the budget cycle – formulation, review, execution and audit. It also explores the purposes of budget, including line-item budgeting, performance budgeting, zero-based budgeting and capital budgeting. Students must have access to Microsoft Word® and Microsoft Excel® software. Microsoft Word® and Microsoft Excel® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FINC405>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Fire Science Management (FSMT)

## **FSMT102 Fire Behavior and Combustion (3 semester hours)**

This course explores the theories and fundamentals of how and why fires start, spread, and are controlled. The student can expect to identify physical properties of the three states of matter; categorize the components of fire; recall the physical and chemical properties of fire; describe and apply the process of burning; define and use basic terms and concepts associated with the chemistry and dynamics of fire; discuss the various materials and their relationship to fires as fuel; demonstrate knowledge of the characteristics of water as a fire suppression agent; articulate other suppression agents and strategies; and compare other methods and techniques of fire extinguishments.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT102>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **FSMT188 Fire Prevention (3 semester hours)**

This course examines the history, principles, and evolving landscape of fire prevention. Students will explore the origins of fire prevention practices through the work of the National Fire Protection Association (NFPA) and the cutting-edge 1973 America Burning report on fire prevention. These works will guide students into the world of modern fire prevention initiatives. Through the material presented in this class, participants will gain a deep understanding of fire prevention techniques, regulations, and emerging technologies shaping the field today.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT188>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **FSMT201 Fire Protection Systems (3 semester hours)**

This comprehensive course is designed to equip students with a deep understanding of fire protection systems and safety measures. In today's world, fire safety is paramount, and this course delves into the essential components and principles behind effective fire prevention and protection. Students will gain valuable insights into various fire protection systems, including fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection, smoke management, and portable fire extinguishers.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **FSMT210 Fundamentals of Fire Protection (3 semester hours)**

This course is an overview of fire protection and its related fields. It also covers the philosophy and history of fire protection/service, fire loss analysis, organization and function of public and private fire protection services, fire departments as part of local government, laws and regulations affecting the fire service, fire service nomenclature, specific fire protection functions, basic fire chemistry and physics, introduction to fire protection systems, and introduction to fire strategy and tactics. Students can expect to describe and discuss components of the history and philosophy of the modern fire service; analyze the basic components of fire as a chemical reaction, examine the major fire phases, and examine the main factors that influence fire spread and behavior; list and describe major emergency response services and illustrate how they interrelate; synthesize roles of national, state, and local support organizations in fire and emergency services; describe the scope of fire and emergency services organization; describe the common fire facilities, equipment, and apparatus; analyze management concepts for emergency situations; and explain fire prevention including code enforcement, public information, and public and private fire protection systems.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT210>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **FSMT281 Principles of Fire and Emergency Services Safety and Survival (3 semester hours)**

This course introduces the basic principles and history related to the national firefighter life safety initiatives. The course focuses on the need for cultural and behavior change throughout the emergency services.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT281>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **FSMT284 Emergency Medical Services (3 semester hours)**

This Emergency Medical Services (EMS) course explores the role EMS plays in public safety as well as how it is staffed, funded, and delivered. Students will learn about the future of EMS education, the four different levels of EMS certification, and the four EMS domains according to the National EMS Scope of Practice Model. In addition, students will develop the ability to describe emerging trends in EMS; how those trends align with EMS Agenda 2050; and identify medical, legal, and ethical issues associated with the EMS profession. In addition, students will also learn how to explain the role of an EMS leader in relation to patient care, experience, training, education, and credentialing and to discuss a culture of health and safety in EMS. Other topics included in this class are the role of an EMS director in providing out-of-hospital care in a community and the preparedness of EMS personnel in dealing with mass casualty incidents.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT284>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **FSMT287 Fire Protection in Building Construction (3 semester hours)**

This course is a study in building construction components that relate to fire and life safety, to include a major focus on firefighter safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, pre-planning fire operations, and operating in emergencies. The student can expect to demonstrate an understanding of building construction as it relates to firefighter safety, building codes, fire prevention, code inspection, and firefighting strategy and tactics; classify major types of building construction; analyze the hazards and tactical considerations associated with the various types of building construction; explain the different loads and stresses that are placed on a building and their interrelationships; identify the principle structural components of buildings and demonstrate an understanding of each function; differentiate between fire resistance and flame spread, and describe the testing procedures used to establish ratings for each; classify occupancy designations of the building code; and identify the indicators of potential structural failure as they relate to firefighting safety.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT287>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **FSMT288 Community Risk Reduction for the Fire and Emergency Services (3 semester hours)**

This course provides a theoretical framework for the understanding of the ethical, sociological, organizational, political, and legal components of community risk reduction, and a methodology for the development of a comprehensive community risk reduction plan.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT288>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **FSMT289 Fire Protection Hydraulics and Water Supply (3 semester hours)**

This course is a theoretical study to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and solve water supply problems. The student can expect to apply the application of math and physics to the movement of water in fire suppression activities; comprehend the design principles of fire service pumping apparatus; analyze the community fire flow demand criteria; and demonstrate understanding of hydraulics, water characteristics, fluid pressure, hydrokinetics, Bernoulli's formula, nozzle reaction, friction loss in water conductors, nozzle pressure equation, water distribution systems, Hazen-Williams equation, fire flow tests, determination of required fire flow, fire service pump design and testing, friction loss calculations, engine and nozzle pressure, Underwriter's formula, parallel lines, Wyed lines, aerial stream calculations, relay pumping, mobile water supply, fire streams, four hydraulic laws of friction loss, and firefighting foams and foam systems.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT289>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **FSMT299 Sophomore Seminar in Fire Science (3 semester hours)**

This course is a culminating course for the Associate of Science in Fire Science degree. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Fire Science. The student will complete an approved academic project or paper that demonstrates their grasp of the fire science field. This is a culminating course to be taken after all other Associate of Science in Fire Science courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. Prerequisite: This course is to be taken as the LAST course in the AS in the Fire Science Program.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT299>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **FSMT311 Fire Dynamics (3 semester hours)**

This course focuses on fire behavior and includes topics such as fire chemistry, science, interaction with the environment, and reaction to chemical and/or natural elements involved in a response. The student will be able to understand the fundamental principles related to structural fire protection, building furnishings, and fire protection systems. physical properties of the three states of matter. The components and dynamics of fire, the process of burning, suppression agents and strategies, and the methods and techniques of fire extinguishment will be covered in the course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **FSMT320 Fire Protection Structure and System Design (3 semester hours)**

This course examines design principles involved in structural fire protection and automatic suppression systems, including fire resistance and endurance, flame spread evaluation, smoke control, alarm systems, sprinkler innovations, evaluation of sprinkler system designs, and specialized suppression systems. Advanced fire suppression systems must be properly designed and the occupants must be properly trained to react in concert with the life safety systems and the fire department. Knowing how the different design systems function and how they protect a space or process aids in the interaction with owners, engineers, architects, and contractors. The importance of a good relationship between the authority having jurisdiction and those charged with the enforcement of the code is considered.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **FSMT321 Community Fire Mitigation and Protection (3 semester hours)**

This course is a study of the leading theory and practice associated with community fire mitigation, planning, protection, response, and recovery. Topics of the course include fire-community relations, community outreach, volunteerism and fire protection, strategic community planning, inter-organizational responses, and other issues. Concepts in Code enforcement, investigations, and the historical, social, and cultural influences on fire prevention are discussed. The students will look at the economic, and governmental and departmental influences on fire prevention. Fire prevention programs will be evaluated and prepared.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT321>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **FSMT340 Incendiary Fire Analysis and Investigation (3 semester hours)**

This course is designed to meet the levels of mastery established by the National Fire Academy, NFPA 1021 and NFPA 1033. These standards are agreed upon by professionals across the fire service community as the foundational benchmarks that all individuals should know at the completion of this course. This course examines technical, investigative, legal, and managerial approaches to the arson problem, including principles of incendiary fire analysis and detection, environmental and psychological factors of arson, gang-related arson, legal considerations and trial preparations, managing the fire investigation unit, intervention and mitigation strategies, and shaping the future.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **FSMT362 Fire Administration and Finance (3 semester hours)**

This course examines the relationship of fire administration and the role of executive fire administrators in the administration of complex issues in a dynamic environment. The course covers political, legal, financial, and ethical issues faced by fire administrators within the context of public administration. Topics include examination of the effects, influences, challenges, and opportunities of public and private fire functions and roles.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT362>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **FSMT405 Fire Safety and Risk Regulation (3 semester hours)**

This course establishes the foundation of history, knowledge, and processes to assist the Risk Manager or Fire Department Safety Officer achieve their goal in preventing firefighter injury and death. The Safety Officer is a position mandated in Hazmat and Terrorism/Homeland Defense responses and it is a good idea for all responses to keep the safety of responders in first place as well as the community. The course includes a study of the leading theories and practices associated with risk management and emergency scene safety. This course focuses on citizen and responder fire safety and risk reduction through prevention, response, and recovery phases of fire operations. Topics include risk reduction planning, equipment, communications, and procedure, among others.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT405>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **FSMT410 Fire Regulation, Policy, and Law (3 semester hours)**

This course introduces the student to many areas of fire laws and regulations. The main purpose of this course is to introduce you to the laws and regulations that will impact your work. This course enables the student to acquire a basic knowledge of the law in each of the specified subject areas that directly or indirectly affect fire services by providing a basic knowledge of the methodology through which to locate, read and comprehend the various statutes and regulations surrounding fires. This course focuses on public policy, law, and regulation concerning fire mitigation, response, and recovery. Legal issues and risk are addressed as topics in the course, as are general and specific national, state, and local fire regulations and public law.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT410>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **FSMT475 Applications of Fire Research (3 semester hours)**

This course focuses on the rationale for conducting fire research, various fire protection research activities, and research applications, including fire test standards and codes structural fire safety, automatic detection and suppression, life safety, and fire fighter health and safety. This course examines tools and techniques of rational decision making in fire departments, including databases, statistics, probability, decision analysis, utility modeling, resource allocation, cost-benefit analysis, and linear programming. This course involves selecting a fire-related topic, developing research objectives, a proposal, and a plan using a quantitative or qualitative research design for the completion of a final research paper.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT475>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **FSMT498 Senior Seminar in Fire Science (3 semester hours)**

This senior capstone course allows students majoring in fire science to analyze program-related issues and problems. Students will be required to utilize their fire management, fire research, fire regulations/laws, and other knowledge gained from previous core courses and a significant number of major courses to complete this course. (Prerequisite: All required, core, and major courses must be completed prior to enrollment in this course.)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FSMT498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## Foreign Languages (ARAB)

### **ARAB100 Arabic I (3 semester hours)**

This course will introduce the student to the fundamentals of the Arabic language. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about the cultures of Arabic speaking nations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ARAB100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ARAB101 Arabic II (3 semester hours)**

This course is a continuation of ARAB100, Arabic I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. (Prerequisite: ARAB100)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ARAB101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ARAB200 Arabic III (3 semester hours)**

This course introduces the student to the fundamentals of Intermediate Modern Standard Arabic (MSA) language and cultures. This course uses an interdisciplinary approach in an asynchronous online setting. Emphasis is placed on the development of fundamental communication skills of writing, reading, speaking, and listening using authentic language contexts. Besides learning about the language, we will also explore various areas of the world where Arabic is spoken. (Prerequisite: ARAB101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ARAB200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ARAB201 Arabic IV (3 semester hours)**

This course is a continuation of ARAB200 (Arabic III). Students continue to build on the fundamentals of Modern Standard Arabic (MSA) language and culture. They learn how to use conjugated verbs, both past and present tense, to communicate using more complex grammatical structures. The course focuses on beginning and intermediate concepts of vocabulary and grammar principles and uses an interdisciplinary approach. Emphasis is placed on fundamental communication skills in writing, reading, speaking, and listening. Additionally, students will explore various areas of the world where Arabic is spoken. (Prerequisite: ARAB200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ARAB201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## Foreign Languages (FREN)

### **FREN100 French I (3 semester hours)**

This course will introduce the student to the fundamentals of the French language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about the cultures of French speaking nations. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact [classroomsupport@apus.edu](mailto:classroomsupport@apus.edu) if you are unsure or have any questions. \* The ability to download and install the speech component. \* A working microphone installed on the computer for speech recognition. \* Access to streaming media is also required and should be confirmed before registering for the class.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FREN100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **FREN101 French II (3 semester hours)**

This course is a continuation of FREN100, French I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact [classroomsupport@apus.edu](mailto:classroomsupport@apus.edu) if you are unsure or have any questions. \* The ability to download and install the speech component. \* A working microphone installed on the computer for speech recognition. \* Access to streaming media is also required and should be confirmed before registering for the class.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=FREN101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



## Foreign Languages (GERM)

### **GERM100 German I (3 semester hours)**

This course will introduce the student to the fundamentals of the German language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about the cultures of German speaking nations. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact [classroomsupport@apus.edu](mailto:classroomsupport@apus.edu) if you are unsure or have any questions. \* The ability to download and install the speech component. \* A working microphone installed on the computer for speech recognition. \* Access to streaming media is also required and should be confirmed before registering for the class.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=GERM100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **GERM101 German II (3 semester hours)**

This course is a continuation of GERM100, German I. Students will continue to build vocabulary and be introduced to more advanced grammatical usage. In addition to similar—but more advanced—online listening, speaking, reading and writing exercises, students will also learn to communicate in more abstract patterns of thought as demonstrated through the use of cartoons and humor. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact [classroomsupport@apus.edu](mailto:classroomsupport@apus.edu) if you are unsure or have any questions. \* The ability to download and install the speech component. \* A working microphone installed on the computer for speech recognition. \* Access to streaming media is also required and should be confirmed before registering for the class.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=GERM101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## Foreign Languages (JAPN)

### **JAPN100 Introduction to Japanese (3 semester hours)**

This course introduces students to the fundamentals of the Japanese language using an online immersion technique developed by Rosetta Stone. Students will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. Students will also learn about Japanese culture. Please note the technical specifications below. These are required to interface with the online language content provider. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact [classroomsupport@apus.edu](mailto:classroomsupport@apus.edu) if you are unsure or have any questions. • The ability to download and install the speech component. • A working microphone installed on the computer for speech recognition. • Access to streaming media is also required and should be confirmed before registering for the class.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=JAPN100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## Foreign Languages (PORT)

### **PORT100 Introduction to Brazilian Portuguese (3 semester hours)**

This course will expose the student to the fundamentals of Brazilian Portuguese. The student will learn basic vocabulary, verb conjugations and grammatical usage through workbook and listening exercises. The student will also learn about Brazilian culture through reading and listening exercises. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact [classroomsupport@apus.edu](mailto:classroomsupport@apus.edu) if you are unsure or have any questions. • The ability to download and install the speech component. • A working microphone installed on the computer for speech recognition. • Access to streaming media is also required and should be confirmed before registering for the class.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PORT100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## Foreign Languages (RUSS)

### **RUSS100 Russian I (3 semester hours)**

This course will introduce the student to the fundamentals of the Russian language using an online immersion technique developed by Rosetta Stone. The student will learn basic vocabulary, verb conjugations, and grammatical usage through online listening, speaking, reading and writing exercises. The student will also learn about Russian culture. Please note the technical specifications below. These are required to interface with the online version of Rosetta Stone. If you cannot meet these requirements we strongly recommend you do not take this course. Please contact [classroomsupport@apus.edu](mailto:classroomsupport@apus.edu) if you are unsure or have any questions. \* The ability to download and install the speech component. \* A working microphone installed on the computer for speech recognition. \* Access to streaming media is also required and should be confirmed before registering for the class.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RUSS100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## Foreign Languages (SPAN)

### **SPAN100 Spanish I (3 semester hours)**

Provides an introduction to the language and culture of the Spanish-speaking world. Focus is placed on development of four skills: reading and listening comprehension and writing and speaking proficiency. Much practice is also dedicated to pronunciation, lexicon and syntax through a variety of materials. Students will also learn about the culture and people of Spanish speaking countries and the Hispanic/Latino communities in the United States.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPAN100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPAN101 Spanish II (3 semester hours)**

Is a continuation of SPAN100. Students are introduced to more advanced syntax, lexicon and idiomatic expressions. The goal is to enhance the development of four skills: reading and listening comprehension and writing and speaking proficiency. Students will continue to learn more about the people, traditions and cultures of Spanish speaking countries and the Hispanic/Latino communities in the United States.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPAN101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPAN200 Spanish III (3 semester hours)**

SPAN200 is an intermediate course. The main focus is placed on enhancing the development of four skills: reading and listening comprehension and writing and speaking proficiency. Command of Spanish language is promoted through concepts of geography, civilization, culture, arts, and literature. Complex grammatical structures and sophisticated vocabulary including idiomatic expressions and colloquialisms are developed. Students will continue to learn more about the people, traditions and cultures of Spanish speaking countries and the Hispanic/Latino communities in the United States. (Prerequisite: SPAN101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPAN200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPAN202 Spanish IV (3 semester hours)**

SPAN202 is a continuation of SPAN200. In this course, students master reading and listening comprehension, formal and informal writing, and presentational and interpersonal speaking skills. Students also use their critical thinking skills when comparing and contrasting, persuading, analyzing and synthesizing. Command of Spanish language is promoted through concepts of geography, civilization, culture, arts, and literature. Complex grammatical structures and sophisticated vocabulary including idiomatic expressions and colloquialisms are developed. Students will continue to learn more about the people, traditions and cultures of Spanish speaking countries and the Hispanic/Latino communities in the United States. (Prerequisite: SPAN200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPAN202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Foundations (COLL)

## **COLL111 Planning Your Future with Purpose in Humanities & Education (3 semester hours)**

This course introduces students to an attitude and approach for college success and relevant connections to their own inner motivations and external career options. Some key elements include values-goal alignment, an orientation to online learning, and strategies for successful adult learning. Other elements include planning a pathway from academic studies to a career path, career awareness, networking, engaging support resources, and collaborating with colleagues. Through the learning and activities of this course, students will gain the perspective needed for successful time management and prioritization, critical thinking, applied and collaborative learning, and civic/democratic and global learning. Content within the classroom includes learning material that can be easily obtained online. This course fulfills one general education elective. This course is recommended to be completed first in the student's degree plan when possible. COLL111, COLL112, COLL113, COLL114, and COLL15 are considered equivalent courses. Students may only take one of these courses for credit.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COLL111>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **COLL112 Planning Your Future with Purpose in Business (3 semester hours)**

This course introduces students to an attitude and approach for college success and relevant connections to their own inner motivations and external career options. Some key elements include values-goal alignment, an orientation to online learning, and strategies for successful adult learning. Other elements include planning a pathway from academic studies to a career path, career awareness, networking, engaging support resources, and collaborating with colleagues. Through the learning and activities of this course, students will gain the perspective needed for successful time management and prioritization, critical thinking, applied and collaborative learning, and civic/democratic and global learning. Content within the classroom includes open educational resources that can be easily found online. This course fulfills one general education elective. This course is recommended to be completed first in the student's degree plan when possible. COLL111, COLL112, COLL113, COLL114, and COLL15 are considered equivalent courses. Students may only take one of these courses for credit.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COLL112>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **COLL113 Planning Your Future with Purpose in Health Sciences (3 semester hours)**

This course introduces students to an attitude and approach for college success and relevant connections to their own inner motivations and external career options. Some key elements include values-goal alignment, an orientation to online learning, and strategies for successful adult learning. Other elements include planning a pathway from academic studies to a career path, career awareness, networking, engaging support resources, and collaborating with colleagues. Through the learning and activities of this course, students will gain the perspective needed for successful time management and prioritization, critical thinking, applied and collaborative learning, and civic/democratic and global learning. Content within the classroom includes open educational resources that are easily available online. This course fulfills one general education elective. This course is recommended to be completed first in the student's degree plan when possible. COLL111, COLL112, COLL113, COLL114, and COLL15 are considered equivalent courses. Students may only take one of these courses for credit.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COLL113>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **COLL114 Planning Your Future with Purpose in STEM (3 semester hours)**

This course introduces students to an attitude and approach for college success and relevant connections to their own inner motivations and external career options. Key elements in this course include values-goal alignment, an orientation to online learning, and strategies for successful adult learning. Other elements include planning a pathway from academic studies to a career path, career awareness, networking, engaging support resources, and collaborating with colleagues. Through the learning and activities in this course, students will gain the perspective needed for successful time management and prioritization, critical thinking, applied and collaborative learning, and civic/democratic and global learning. Content within the classroom includes open educational resources that are easily available online. This course fulfills one general education elective. This course is recommended to be completed first in the student's degree plan when possible. COLL111, COLL112, COLL113, COLL114, and COLL15 are considered equivalent courses. Students may only take one of these courses for credit.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COLL114>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COLL115 Planning Your Future with Purpose in Security & Global Studies (3 semester hours)**

This course introduces students to an attitude and approach for college success and relevant connections to their own inner motivations and external career options. Key elements in this course include values-goal alignment, an orientation to online learning, and strategies for successful learning. Other elements include planning a pathway from academic studies to a career path, career awareness, networking, engaging support resources, and collaborating with colleagues. Through the learning and activities in this course, students will gain the perspective needed for successful time management and prioritization, critical thinking, applied and collaborative learning, and civic/democratic and global learning. The content within the classroom includes open educational resources that are easily available online. This course fulfills one general education elective. This course is recommended to be completed first in the student's degree plan when possible. COLL111, COLL112, COLL113, COLL114, and COLL115 are considered equivalent courses. Students may only take one of these courses for credit.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COLL115>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COLL200 Prior Learning Assessment Seminar (3 semester hours)**

This course provides a structured series of activities designed to provide the student with a systematic approach to petition for credit for learning obtained outside a traditional classroom. Students will learn to differentiate between experience, experiential learning, and learning by experience. They will analyze their personal knowledge, skills, and abilities and leverage them to develop and achieve educational goals as they learn about learning styles and theories. Students will identify prior learning and will be introduced to methods by which they can demonstrate that learning. Students will develop and submit at least one portfolio for assessment. Students are able to submit portfolios for additional classes after course completion. The evaluation fee for additional portfolios is \$250 per portfolio. NOTE: students must be admitted to the PLA program before registering for this course. For information about the prior learning assessment program admission requirements, please visit <http://www.amu.apus.edu/admissions/general-information/pla.htm> or <http://www.apu.apus.edu/admissions/general-information/pla.htm>.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COLL200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **COLL300 Research, Analysis, and Writing (3 semester hours)**

Does the thought of writing a research paper make your hair stand on end? Are you postponing certain classes because they require research papers? Do you fear plagiarism more than malaria? If you answered yes to any of these questions, COLL300 is the course for you. COLL300 will help you gain confidence, so you can tackle even the toughest research assignments. You will be guided, step by step, from the beginning to the finished product as you write about a topic that you really want to explore. You will learn how to exercise your curiosity in writing research questions; how to be a detective in gathering and evaluating evidence; how to plan and organize a sturdy framework; how to conquer fears of citing sources and avoiding plagiarism; how to flesh out paragraphs with substantive details; and how to polish your finished paper. You will do all this in a supportive community with plentiful, constructive feedback. Each week will take you closer to becoming a skilled research writer. (Prerequisites: ENGL101 or ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=COLL300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Government Contracting and Acquisition (DEFM)

## **DEFM200 Fundamentals of Contracting and Acquisition (3 semester hours)**

This course provides an in-depth examination of federal acquisition practices, policies and procedures, to acquaint managers and non-contracting personnel with the acquisition process and compliance issues. Contracting and acquisition fundamentals reviews contract planning, contract execution, and contract management as part of the acquisition process. They will learn basic mission support planning strategies, how to research the Federal Acquisition Regulation (FAR) and Defense Federal Acquisition Regulation Supplement (DFARS); additionally, students will learn how effective market research and socioeconomic programs support the FAR and DFARS acquisition planning process as well as its implementation. They will examine the process, problems and issues of solicitation and contract award. Instruction will also include: benefits of early industry involvement in shaping requirements; basic procedures for acquisition of commercial and noncommercial requirements; basic competitive acquisitions; awards processing; management of contract award protests; contractor performance metrics; contract changes procedures; disputes; and close out procedures of completed contracts. This course is designed for personnel new to the contracting career field or non-contracting personnel who play a role in the acquisition process.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DEFM200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **DEFM305 Acquisition Business Management (3 semester hours)**

Deals with common financial issues in acquisition that include cost estimating; earned value analysis; Planning, Programming, Budgeting and Execution (PPBE); congressional enactment; and budget preparation and execution. In this course, the student will prepare, justify, and defend budget exhibits and obligation/expenditure plans; formulate impact/reclama statements and reports; and develop and defend business aspects of the acquisition and PPBE cycle.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DEFM305>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **DEFM310 Program and Acquisition Management I (3 semester hours)**

This course is an introduction to the requirements of successful program management in the DOD. The course will look at the entire systems acquisition cycle from the point of view of government requirements and the efforts of the civilian contractor to bring the system to Full Operational Capacity.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DEFM310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **DEFM311 Program and Acquisition Management II (3 semester hours)**

This course of instruction addresses the DOD acquisition process once the government has decided that it must seek the enormous resources of the private industry. The scope of this course specifically addresses the formal process by which the DOD requests (or solicits) industry to respond to their needs and requirements. The course also outlines the evaluation process and evaluation criteria used by the government to evaluate and select the winning proposal. The course will review the Federal Acquisition Regulations (FAR) and the Defense Federal Acquisition Supplements (DFARS). Additionally the course will review the current policy in the DOD to outsource to the private sector (non-DOD sources) the tasks and functions previously performed by in-house government workforce. (Prerequisite: DEFM310)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DEFM311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **DEFM312 Defense Budget Development and Execution (3 semester hours)**

This course is a study of the process by which the acquisition, personnel, and readiness (operations and maintenance) portions of the annual Defense Budget are integrated and executed. Students will learn of the politics behind the issues and will gain an appreciation for the complexity of the process. Following an in-depth review of the political scope of budgeting, the course will shift into a study of how budgeting actually works at each stage of executive and legislative action. From the preparation of the service and agency budgets, through the presentation of the president's budget, to the actual appropriation and expenditure of funds, the student will apply their knowledge of the politics of the process to appreciate the problems and issues in defense budgeting.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DEFM312>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **DEFM332 Transition and the Military Family (3 semester hours)**

This course is designed to provide students with knowledge of the theoretical and practical aspects of managing transitions, with a focus on those issues incumbent on the military family. Course topics include change and choice, psychology of the self, interpersonal relations, health, dysfunction, grief, and building a life-career. Particular attention is focused on these topics' application to the military family lifestyle, to include deployment separation, reunion, marriage and family, parenting, military casualty, and life-career. The following questions appear as themes throughout the course: what is transition; what transitions do military families experience; what are the affects on the body, mind, spirit, and interpersonal relationships; what is resilience; and how does one create a plan to strengthen resilience?.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DEFM332>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DEFM410 Program Appraisal (3 semester hours)**

This course is designed to develop the basic skills essential to evaluate public programs. Knowledge of the policy process and of research methods are brought together in the execution of an ethical evaluation of how well the processes, and outcomes of a program meet the needs at which the program is targeted. This course will introduce the basic concepts of planning and carrying out an evaluation, the most commonly used analytical tools, and cost-benefit and cost-effectiveness methods. It will also introduce the basic format of evaluation reports.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DEFM410>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DEFM415 Acquisition Test & Evaluation (3 semester hours)**

Emphasizes the basic test and evaluation (T&E) principles, policies, organizations, processes, and practices used by DOD. Course topics include the role of T&E in systems acquisition, T&E planning, experimental design, measurement of systems effectiveness and suitability, instrumentation, and data collection and management. Also covered are reliability, maintainability, and availability of systems; analysis and evaluation; software; modeling and simulation; and T&E of alternative acquisitions. Problem-solving situations engage students in the use of T&E concepts, principles, and theories.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DEFM415>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DEFM420 Cost Analysis and Negotiation Techniques (3 semester hours)**

This course introduces methods and techniques necessary to analyze a contractor's cost proposal and to develop a Government negotiation objective. Students will apply the cost analysis techniques to analyze a contractor's proposal and develop a cost objective. The course also introduces negotiation terminology, styles, and techniques.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DEFM420>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DEFM421 Joint Contingency Contracting (3 semester hours)**

This course develops skills for contracting support provided to Joint Forces across the full spectrum of military and disaster relief operations. Exercises focus on unique aspects of contingency, critical thinking skills, and the execution of appropriate contractual instruments.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DEFM421>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DEFM422 Mission Support Contracting I (3 semester hours)**

This course involves a series of case studies where students demonstrate their ability to develop and execute business strategies to meet customer requirements. These cases help develop critical thinking, customer needs analysis, procurement strategy development, and source selection skills necessary for successful contract performance.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DEFM422>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **DEFM423 Mission Support Contracting II (3 semester hours)**

This course involves a research paper in which professionals apply the knowledge and skills to demonstrate their ability to negotiate fair and reasonable prices and to consider the legal implications for various contract situations. The research paper helps develop critical thinking, cost analysis, negotiation, and contract administration skills necessary for successful contract performance.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DEFM423>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**DEFM424 Overhead Management of Defense Contracts (3 semester hours)**

This course provides an understanding of industry overhead costs and the costs' impact on seller pricing/business strategies under various acquisition environments with differing contract types. Attendees will understand the development and application of overhead rates used in contract formation, administration, and closeout. The course-integrating case study provides hands-on application of the overhead-rate process in which attendees determine their own final overhead rates.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DEFM424>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Health Information Management (HIMA)

## **HIMA100 Medical Terminology (3 semester hours)**

This course is a basic study of the professional language of medicine. It is designed to include word construction, pronunciation, spelling, definition and use of terms related to all areas of medical science, hospital service and health related professions. The course uses a systems based approach that provides students with the skills and knowledge necessary to derive meaning from common medical terms. Students will deconstruct medical word construction and language, as well as the derivation, roots, prefixes, and suffixes. Various structures and organization of bodily systems will also be examined.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIMA100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HIMA110 Introduction to Health Information Management (3 semester hours)**

The purpose of this course is to introduce the students in Health Information Management to the historical development of the health care field with emphasis on the organizational structure of health institutions: federal, state, local agencies and allied health associations. The course also addresses the theoretical and practical applications of health information management, the Health Information Department, its functions, and an overview of the American Health Information Management Association (AHIMA®). The course includes definitions of, standards for, and the development of the health record (both electronic and paper-based) as to content, format, evaluation, completion, legal and regulatory aspects and automation. The course content also consists of numbering systems and methods; the use of accessory equipment and technology; conversion systems; the master patient index; filing systems and control; evaluation methods; electronic health records, and supplies and equipment. Documentation issues, along with indexes, registers, and health data collection are also introduced. AHIMA® is a registered trademark of the American Health Information Management Association.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIMA110>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HIMA200 Legal Aspects of Health Information Management (3 semester hours)**

This course focuses on the legal system and procedures, ethics, control and use of patient-specific health information. Student will analyze the major external forces affecting the HIM professional's ability and responsibility to manage patient-specific health information. In addition it also addresses specialty matters such as healthcare fraud and abuse in health information management (HIM). Students will examine the impact that e-mail, digital imaging, telemedicine, and the Internet are having on health records, and analyze laws, regulations and standards related to patient confidentiality and privacy. (Prerequisite: HIMA110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIMA200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HIMA220 Classification Systems I (3 semester hours)**

This course will introduce the student to the principles of taxonomy. The course will include purposes of classifying diseases, clinical vocabularies, and terminologies/nomenclatures. The interaction of different Prospective Payment Systems with classification systems will be emphasized. Data quality, the Uniform Hospital Discharge Data Set as well as coding/sequencing guidelines and advanced topics in diagnosis and procedural coding. (Prerequisites: BIOL201 and HIMA100)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIMA220>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HIMA230 Classification Systems II (3 semester hours)**

This course will introduce the student to the principles of taxonomy. The course will include purposes of classifying procedures, clinical vocabularies, and terminologies/nomenclatures. The course will include purposes of coding for professional services, ambulatory services and procedures. The course will properly instruct the student on the proper usage of CPT and HCPCS code books. The interaction of different code systems such as the Prospective Payment Systems (PPS) with classification systems will be emphasized. Data quality, the UACDS as well as coding/sequencing guidelines will be examined. Coding and indexing of procedures using various classification systems and nomenclatures. The interaction of different Prospective Payment Systems with classification systems and data quality will be emphasized. (Prerequisite: HIMA220)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIMA230>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIMA240 Healthcare Reimbursement Methodologies (3 semester hours)**

This course provides students with a foundation of the basics of health insurance and public funding programs, managed care contracting, and payment for services. The content focuses on health insurance plans, government-sponsored healthcare programs, managed care plans, fee schedules, resource-based relative value system for physician payment and prospective payment for various inpatient settings. Students will examine various reimbursement methodologies, and the interconnection between clinical coding, compliance, and reimbursement. Within this, revenue life cycle management will be studied and its impact on provider financial stability.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIMA240>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIMA250 Healthcare Delivery Systems and Documentation (3 semester hours)**

This course will introduce students to the healthcare delivery systems including organization, accreditation, licensure, and regulatory agencies. Students will examine the historic development, organization and characteristics of the health care delivery systems; current payment and reimbursement systems for each healthcare delivery systems; accrediting agencies applicable to health care; the functions of health care providers; organizational patterns of health care facilities; medical staff organization and bylaws. The work of accrediting, licensing, and certifying agencies, such as that of the Joint Commission, the American Osteopathic Association, Medicare, and Medicaid will be discussed in detail for each health care area. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIMA250>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIMA310 Electronics Health Records Fundamentals (3 semester hours)**

This course examines the emerging technology of Electronic Health Records through conceptual theory of health information systems used in health care delivery systems including terminology and essential concepts of health information systems. An overview of varied automated administrative, clinical and financial systems is given. Additionally, the course covers structure of electronic health records (EHRs). Content includes overview of health care industry's transitioning to electronic health record systems, components of EHRs, technologies used for input into EHRs, and privacy and security issues affecting access to and use of patient information.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIMA310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIMA350 Compliance (3 semester hours)**

The purpose of this course is to familiarize students with the concept of Quality and the process of Quality Improvement across the Health Care continuum. This course focuses on the history and evolution of quality, its terms, principles, theories, and practices. The student is introduced to a diverse collection of methods of improving quality, including but not limited to continuous Quality Improvement and Total Quality Management, and to the guidelines for implementing quality management and the continuous quality improvement processes. Students will also be exposed to new cutting edge technologies that impact the quality improvement efforts/interventions in health care delivery that make quality health care more safe, timely, effective, equitable, efficient, and patient-centered.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIMA350>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIMA360 Health Informatics Project and Enterprise Management (3 semester hours)**

This Project Management course examines project management in theory and practice and the roles and responsibilities of the health information project manager. The course offers a practical approach to managing projects, focusing on organizing, planning, and controlling the efforts of the project. Additionally, this course covers project, enterprise, financial and contract managements in a health information environment. Students will examine system selection processes and develop negotiating skills in the selection process. The principles and approaches to the assessment of quality in health care and how this impacts the role of the health information manager will be examined.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIMA360>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIMA410 Informatics and Analytics (3 semester hours)**

This course offers an overview of the field of health informatics and analytics by providing students with the fundamental knowledge of the concepts of health informatics applications as they relate to the collection, storage, retrieval, communication and optimal use of health related data and how technology can be used in the delivery of health care. The basic principles of health informatics and analytics that govern communication systems, clinical decisions, information retrieval, telemedicine, bioinformatics and evidence based medicine will be explored.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIMA410>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIMA460 Healthcare Data Management and Governance (3 semester hours)**

This course is designed to give the student an insight into the procedures and techniques that can be used to analyze health care data. The course will focus on the "how to" of systems by demonstrating fundamental skills and techniques that can be applied immediately to the management and governance of healthcare data. This course covers fundamentals of health care workflow process analysis and redesign as a necessary component of complete practice automation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIMA460>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIMA497 Health Information Management Practicum (3 semester hours)**

This guided health information management (HIM) practicum provides an overview of health information services with hands-on and reality-based experiences in a health information department, or related site that will reinforce and enhance classroom learning. Students will also acquire technical skills through guided simulated online lab activities designed to simulate the activities that would be completed in an HIM department setting. Students will evaluate and utilize relevant HIM computer and software applications. This course is intended to give the student practical experience in HIM, and during the course students will employ practical application of previously studied theory, principles, and knowledge in data retention, retrieval, storage assembly, deficiency analysis, physician communication, and release of information. Prerequisite: Students may take the practicum after all other Major Required courses are completed. This course requires an additional cost for the use of Typhon student practicum tracking software, to be purchased by the student prior to the start of the practicum.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIMA497>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIMA499 Senior Seminar in Health Information Management (3 semester hours)**

This seminar is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward a degree in health information management. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning, as well as assess their level of mastery of the stated outcomes of their degree requirements. (Prerequisite: Students may only take this course after the completion of all CORE courses)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIMA499>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Healthcare Administration (HCAD)

## **HCAD300 Legal and Ethical Principles in Healthcare (3 semester hours)**

Legal and Ethical Principles in Healthcare introduces major concepts and functions of government and law applicable to healthcare throughout our global society. Theoretical health law and governing policies are investigated along with regulations of health quality. Students will analyze ethical dilemmas and utilize an ethical decision-making framework to solve complex legal and ethical problems faced by healthcare practitioners. (Prerequisite: ENGL110, PBHE111 and PBHE112)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HCAD300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HCAD301 Healthcare Principles and Policies (3 semester hours)**

Healthcare administrators comply with health policy on a day-to-day basis and influence the drive for change to improve policies across the healthcare system. Principles for planning, managing, and evaluating healthcare policies and programs are examined. Students will explore modern and historical issues and determine the theoretical basis for the healthcare system to include the epidemiology for major health policy issues. Students will examine alternate opportunities to enhance healthcare systems from the perspective of health providers, community leaders, and community residents.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HCAD301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HCAD302 Healthcare Quality and Safety (3 semester hours)**

Regulatory aspects of healthcare, such as licensing, accreditation, credentialing, and governance, impact the quality of healthcare programs. This course will analyze components which contribute to healthcare quality and promote a systems thinking approach to improving healthcare processes. Students will apply process improvement tools to identify healthcare challenges and create solutions to improve quality, safety, and value in healthcare organizations. Patient safety indicators are analyzed to ensure quality healthcare services implementation. (Prerequisite: ENGL110 and HCAD301)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HCAD302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HCAD400 Strategic Planning and Marketing in Healthcare (3 semester hours)**

Strategic planning theories and methodologies are essential to the quality, safety, and value of healthcare programs and organizations. Students will study strategies to evaluate and shape strengths and weaknesses within a healthcare organization along with implementation and monitoring approaches for strategic planning and implementation. The impact of marketing in the strategic planning and development process will be examined as students design promotional tools to advance and successfully market healthcare programs. (Prerequisite: HCAD301)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HCAD400>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HCAD401 Finance and Budgeting for Healthcare Administrators (3 semester hours)**

This course provides an in-depth focus and analysis of the financial and budgeting components of healthcare administration. Students will compare and contrast the various types of budgets that are used within health organizations. Additionally, there is an analysis of various healthcare reimbursement methodologies and the effect that operational quality has on reimbursement. (Prerequisite: HCAD300)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HCAD401>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HCAD498 Senior Seminar in Health Sciences (3 semester hours)**

The Health Sciences Senior Seminar is a cumulative project consisting of key concepts, theoretical knowledge, critical thinking, practical application, and real-world decision-making relative to the program objectives and courses completed throughout the program. Students will integrate critical analysis with healthcare disciplines and synthesize ethical standards in decision-making to achieve organizational goals. Students will discuss real-world scenarios and applications to the ever-changing healthcare industry and environment. The seminar project enables students to demonstrate skills of leadership, management, and systematic problem solving. (Prerequisite: ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HCAD498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# History (HIST)

## **HIST101 American History to 1877 (3 semester hours)**

This course is a survey of United States history from the earliest European settlements in North America through the end of Reconstruction and emphasizes our nation's political, economic, and social development, the evolution of its institutions, and the causes and consequences of its principal wars.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HIST102 American History since 1877 (3 semester hours)**

This course is a survey of history of the United States from the end of Reconstruction to modern times. Emphasis will be placed on internal expansion, inherent isolationism, America's road to becoming a world power, and the development of the concept of America as the "policeman" of the world.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST102>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HIST111 World Civilization before 1650 (3 semester hours)**

This course is a survey of the history of the human community from the dawn of civilization to 1650. Emphasis is placed on the origins and achievements of the core civilizations of Asia, Europe, Africa and the Western Hemisphere. It stresses the interrelations of societies and cultures of the past, comparing and contrasting the experiences of peoples and civilizations with one another.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST111>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HIST112 World Civilization since 1650 (3 semester hours)**

This course is a survey course in the history of the human community from 1650 to the present. It covers the origins, development and achievements of the major civilizations and stresses the interrelations of societies and cultures of the past, comparing the experience of peoples and civilizations with one another.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST112>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HIST121 Western Civilization before The Thirty Years War (3 semester hours)**

This course is a survey of the history and culture of the Western Civilization from the ancient civilizations of the Near East, through the rise of the classical civilizations of Greece and Rome, to the beginnings of Europe's Early Modern period. Emphasis is placed on the examination of the major political, social, economic and religious developments of European history.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST121>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HIST122 Western Civilization since The Thirty Years War (3 semester hours)**

This course is a study of the history and culture of the Western world, from the beginnings of Europe's Early Modern Period to the present. It covers the major political, social, economic, religious and cultural developments, since the thirty years war.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST122>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HIST213 History of Women in the United States (3 semester hours)**

This course has been designed as an introduction to the history of women in the United States from the colonial period to the present. It will be surveying the field of American women's history in order to understand how specific political, social and economic transformations in the nation's past have affected the female half of the population. Throughout, it will remain attuned to ethnic and racial diversity and to regional differences and class distinctions in the lives of U.S. women. It will look at women's culture, as distinct from the dominant male culture, and analyze women's writings, art, life cycles and sexuality. It will work to understand the collective lives of women as workers, family members, reformers, and political activists as well as the individual experiences of women in the U.S. from the colonial era into the 21st Century.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST213>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **HIST221 African-American History before 1877 (3 semester hours)**

This course examines the complex and varied experiences of African Americans from slavery to 1877. Topics include West African roots, the middle passage, American slavery and resistance, the development of racism, the Civil War, and Reconstruction. The course will examine internal and external factors that shaped the black historical experience economically, culturally, and politically. While the class is designed to proceed chronologically, important themes such as the development of racism, abolitionist thought, the slave community, and the impact of free blacks will be emphasized.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST221>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST222 African-American History since 1877 (3 semester hours)**

This course surveys the economic, cultural, and political facets of the African American experience from 1877 to the present. Topics of African American history will be examined, such as Jim Crow laws, the Harlem Renaissance, the Civil Rights Movement, and Black Power. While the class is designed to proceed chronologically, themes such as military and diplomatic policies, migration and urbanization, black political thought, and popular culture will be emphasized.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST222>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST223 History of the American Indian (3 semester hours)**

This course surveys American Indian history from before Columbus to the present. It emphasizes the American Indians' political, economic, and social development, the emergence of the principles that guided them into the 21st century, the evolution of its institutions, and the causes and consequences of its principal wars.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST223>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST225 West Virginia Studies (3 semester hours)**

In this course, students will review the geographical, cultural, economic, and political aspects of the state with an emphasis on the events leading up to statehood and beyond. Local traditions and state sectional patterns are stressed and examined in the context of assimilation into the national body politic.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST225>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST230 History of East Asia (3 semester hours)**

This survey course traces China's social, political, and cultural developments from the dynastic period to the present. Through this process, this course will examine the Chinese dynastic system, the rise of Confucianism, the adoption of Buddhism, technological developments, and explores the great diversity and impressive continuities of traditional Asian civilization. Additionally, students will explore the historical transformations that have led to the development of modern Asia as well as how China has historically impacted all of Asia.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST230>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST270 History of Science (3 semester hours)**

Science is unquestionably central in shaping our modern world. Though often directed by the "big science" efforts of universities, global corporations, and nations, it is the individual scientist that populates these scientific communities. It is at this individual level, both professionally and personally, that science touches us most directly. Students earn advanced degrees in a wide range of specialties like physics, biology, and chemistry. Science is also a central component in related fields of medicine, geology, genetics, ecology, cosmology, and technology. On the personal level we encounter science everyday when we eat genetically enhanced food, take complicated medicines to combat illness, debate the origins of life, strive to understand new information about ourselves in the universe, use advanced technologies, and in many more ways. These scientific developments do not emerge instantaneously from a vacuum. To fully understand science, one must have an appreciation of its history and how it has developed over time. The latest scientific advance is merely a snapshot of the present, and only looking at this image obscures our appreciation of the dynamic interaction between science and culture, and the ways that national, institutional, and individual goals have determined its trajectory. This broader perspective, gained only by the study of the history of science, serves as our central mission in this class. STEM185 and HIST270 are considered equivalent courses. Beginning January 2023, students may only take one of these courses for credit.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST270>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **HIST290 History of the Holocaust (3 semester hours)**

This course is an overview of the major historical, political, cultural, religious, and military issues associated with the Holocaust. It will examine how the anti-Semitic propaganda of the early Nazi Party manifested itself into a legitimate political platform, evolving into state sponsored legal legislation, and culminating into an industrialized killing industry. Students will be introduced to the principle historical figures, events and time lines regarding the birth of the Nazi Party, their taking control of the German nation, and finally their political and military actions against those deemed 'subhuman'. In addition, students will also become well-versed in The Hague and Geneva Conventions regarding the roles of the military and the protective status and qualifications of noncombatants. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST290>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST300 Research Methods in History (3 semester hours)**

The purpose of this course is to prepare the student for upper-division course work, research, and writing based on historical methodologies such as quantification or paleography. It is designed to familiarize the student with what historians do and how they do it, and affords the student the opportunity to develop their own skills as a historian by interpreting and evaluating primary and secondary source material and presenting their findings in a written, properly referenced format.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST301 Ancient Greece (3 semester hours)**

This course covers the history of the Greek speaking peoples from the origins of Greek civilization during the Bronze Age to the dispersion of Greek culture during the Hellenistic era through the conquests of Alexander the Great. The topics emphasize the political, social, cultural, and economic institutions and values that Hellas created to revolutionize Ancient Mediterranean history. Students gain an introduction to the history of Greek civilization and a deeper understanding of the nature of democracy, and the relationships among politics, art, literature, and the ideals of civic virtue. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST302 Ancient Rome (3 semester hours)**

This course will study the history of Ancient Roman civilization from the founding of the Republic in 735 BC to the fall of the western empire in 476 AD. Roman political, military and cultural events and personalities will be the focus of this course. Interaction and conflict with neighboring Mediterranean, western tribal, sophisticated eastern, and later barbarian cultures will serve as the thematic core. The course will also examine the lasting impression and influence of Ancient Roman civilization on European and Western culture. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST303 The Middle Ages (3 semester hours)**

This course will cover the history of Europe from the 4th/5th century when the Roman Empire was ending to the middle of the 14th century when the new nations were fully defined. Starting with the fall of the Romans and the effect of that fall on Europe, the course will cover the arrival of the "barbarian" invaders, the reign of Charlemagne, the rise of separate, new European states such as France, England and Germany as well as the Church, the relations between these states and with the Byzantine Empire, the period of the Crusades, and the development of different government systems in the various European nations. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST303>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST304 The Renaissance (3 semester hours)**

This course is a survey of Western Europe from 1350 to 1600. It examines the political, military and social events surrounding the re-birth of classical knowledge and artistic expression in Italy known as the Renaissance. The course also traces the movement of the Renaissance northward, focusing on the coming Reformation era. The last part of the course studies the Protestant and Catholic Reformations to include how the Reformations effected the growth of the modern nation-state. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST304>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST305 France in the Age of Enlightenment (3 semester hours)**

This course examines the "Age of the Enlightenment" in France with the reigns of King Louis XV and Louis XVI. Through readings of the functioning of the monarchy, on the world of everyday peoples in Paris and the countryside, and the intellectual climate of the era, students will be able to reconstruct the time known as "the ancient regime." The class will also analyze readings by authors such as Diderot, Voltaire, DuChâtelet, and Rousseau to gain a sense of the intellectual excitement of the "Enlightenment." (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST305>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST306 The British Empire (3 semester hours)**

This course examines the British Empire from the late 18th century to the 1960s. It includes the settler colonies, the colonies inhabited almost exclusively by non-European peoples, and the "informal empire" of trade and investment as well as the impact of the Empire upon the British Isles. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST306>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST307 The Age of Dictators: Europe 1914-1945 (3 semester hours)**

This course focuses on the great crises of 20th century European civilization, from the outbreak of war in August 1914 to the defeat of Hitler Germany in May 1945. Through novels and historical monographs, it explores the effects of total war and mass mobilization on the industrially advanced state systems of the period, as well as the social emancipation, economic disintegration, and cultural innovation brought on by the great wars of the period. Particular attention is paid to the experience of the "great powers" (Germany, the Soviet Union, Britain and France), which is supplemented by student research on the smaller countries of Europe. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST307>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST308 History of European Colonialism (3 semester hours)**

This course explores European colonial history from the fifteenth century to the present. It takes into account the exploration, colonization, and decolonization of the Americas, Africa, Asia, India and the Middle East by three major European powers: Britain, France, and Spain. The actions of these countries, among others in Europe, affected the areas they colonized and the indigenous populations for generations to come. This course will focus on the expansion of European empires, the consolidation, management, and disintegration of the empires. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST308>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST310 History of Modern Europe (3 semester hours)**

The course evaluates European politics from the French Revolution to the industrialization process and effects in the late 18th and 19th centuries. Students assess the impact of military modernization and analyze the commercialization of the culture. An overview of politics and wars in the 20th century and their relationship to the fall and rise of the economy will be presented as well as the concept of European security. The forces of modernization, causes of war, and power of unification will be evaluated, with an emphasis on effects and divisions of the Cold War and democratization wave of the 1990's. It will examine the evolution of trade unions to a regional union with its effects on politics, economics and security, including case studies of regional terrorism. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST320 History of Russia (3 semester hours)**

The course covers the history of Russia and its people from the medieval period up to the present. While student projects can be on any aspect of Russian history from any period, the emphasis in the classroom will be on political and social history from the period of reforms in the mid 19th century up to the fall of the Soviet Union. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST340 History of Africa (3 semester hours)**

This course examines the history of Africa from the first periods in recorded history, through the colonial period and 20th Century. The focus is upon the major European powers that influenced the continent and the internal social, religious, political and economic dynamics specific to each region. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST350 History of the Middle East (3 semester hours)**

This course examines Middle Eastern history from the era of Suleyman the Magnificent, the 16th-century Ottoman sultan, to the late 20th century. It traces the roots of current Middle Eastern politics to social changes— as the region lost its pivotal role in the world economy in the 19th century but gained oil wealth— and to the political aftershocks of colonial occupation a century ago. Themes include the emergence of dictatorship and violence in politics during the 20th century, and especially the conflicts centered on the emergence of Israel; the rise of new political ideologies, nationalism, liberalism, and Islamism; the rise of women's rights movements, and the reasons that political conflict has come to center on women's status; and the polarization of rich and poor classes that continues to destabilize domestic politics. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST350>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST360 History of Latin America (3 semester hours)**

This course is a survey course of Latin American History. The subject is approached from two very different perspectives. The primary method is a comprehensive overview of Latin American history and theories important to the study of Latin America and the second provides the student with an overview of the history of individual Latin American countries. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST360>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST402 Colonial America (3 semester hours)**

This course explores North American history from the dawn of the British colonization of North America to the end of the French and Indian War in 1763, which sparked subsequent British Colonial Policy and thus set into motion the events leading to American Revolution in 1775. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST402>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST403 The Early Republic, 1783-1815 (3 semester hours)**

The Early Republic, 1783-1815 examines the development of American political, social, and cultural institutions during the formative years of the new Republic. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST403>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST404 Jacksonian America, 1815-1846 (3 semester hours)**

Jacksonian America, 1815-1846 examines the nature of Jacksonian democracy and its treatment in American historiography. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST404>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST405 Antebellum America, 1846-1861 (3 semester hours)**

Antebellum America, 1846-1861 examines the divisive political, social, and economic forces which intensified in the 1840s and culminated in the Civil War. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST405>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST406 Civil War And Reconstruction, 1861-1877 (3 semester hours)**

Civil War and Reconstruction, 1861-1877 examines the wartime problems of the Union and Confederacy, as well as the consequences of the war and the postwar efforts to create a new Union. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, military, political, and socio-economic movements that shaped the nation. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST406>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST407 The Gilded Age, 1877-1900 (3 semester hours)**

The Gilded Age, 1877-1900 examines the rise of the United States as an industrial and world power with particular stress on the changing patterns within American society. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST407>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST408 The United States: 1900 to Second World War (3 semester hours)**

This course examines the changes in American society at the end of the 19th century as it confronted the issues of industrialization, immigration, and urbanization. It explores the open conflict between the advocates of isolationism and collective security and examines the impact of World War I. It also examines the changing values of the 1920's, the stock market crash of 1929, the Great Depression that followed, and the prelude to the second world war. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST408>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST409 The United States: WW II to the Present (3 semester hours)**

The United States: WW II to the Present is a study of the political, economic, social, and cultural development of the United States from World War II to the Present. Topics include social and cultural changes in the 50s, 60s, 70s, 80s, 90s, and the first decade of the 21st Century; the United States foreign policy from the post-WWII "Cold War," to Korea, Vietnam, and other global confrontations between the United States and the communist world from Somalia, Grenada, and the First Gulf War to the most recent "War on Terrorism"; and the technological changes and their impact on the social and economical development of the United States. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST409>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST415 The Cold War (3 semester hours)**

The Cold War developed between capitalist and communist nations—primarily between the United States and Russia—shortly after World War II and lasted until the early 1990s. Although the conflict is technically considered over, its impact is still felt in society, politics and economics even today. The Cold War often threatened to transform into a hot war, and actually did so periodically, such as in the Korean and Vietnam Wars. This course focuses on the development of the ideological conflict and its effects on politics, economics, technology, society and culture in both the East and the West. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST415>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST480 Special Topic: History (3 semester hours)**

This is a special topics course that is designed to afford students the opportunity to examine topics not covered by the existing curriculum. Students are permitted to substitute up to two special topics classes for other courses required in their concentration. Special topic courses are offered quarterly, and the topics for these will vary.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST480>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST481 Special Topic: History Fall (3 semester hours)**

This is a special topics course that is designed to afford students the opportunity to examine topics not covered by the existing curriculum. Students are permitted to substitute up to two special topics classes for other courses required in their concentration. Special topic courses are offered quarterly, and the topics for these will vary.

**History of Scotland: 2020 Fall B** This course will look at the history of Scotland from its earliest history until the defeat of the Jacobites at the Battle of Culloden in 1745. Special attention will be paid to the political history, the Scottish monarchs, and the interactions between England and Scotland over control of the north of Britain, including Macbeth, William Wallace, Robert the Bruce, Mary Queen of Scots, Bonnie Prince Charlie, and many other influential leaders. Discussions will cover the incursions by the Scots from Ireland, the contact with the Romans, the influence of the Vikings, and struggle for an independent Scottish identity.

**Viking History: 2020 Fall D** This course will examine the history of the Vikings and their influence on the development of Europe. Discussions will focus on key settlement areas such as Iceland, Britain, France and Russia and how the Vikings brought about social, political, economic, religious, and military changes in those areas.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST481>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST482 Special Topic: History Winter (3 semester hours)**

This is a special topics course that is designed to afford students the opportunity to examine topics not covered by the existing curriculum. Students are permitted to substitute up to two special topics classes for other courses required in their concentration. Special topic courses are offered quarterly, and the topics for these will vary.

**Roaring 20's - February** This special topics course will examine the myths and realities of America's "Jazz Age," the 1920s. Recognizably modern and yet nostalgic, this "era of meaningful nothingness" nevertheless masked a deep-seated insecurity felt by many Americans. This insecurity would be reflected by the nation's immediate embrace of post-WWI isolationism in the 1920 election. Nicknamed "the Age of Intolerance," this decade presented many challenges to a staid American society, from political scandals to labor unrest; from new gender roles to expanding racial consciousness. From the Golden Age of Hollywood to the bitter fruits of Prohibition, the historical and cultural legacies of the Roaring Twenties are still with us today.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST482>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST483 Special Topic: History Spring (3 semester hours)**

This is a special topics course that is designed to afford students the opportunity to examine topics not covered by the existing curriculum. Students are permitted to substitute up to two special topics classes for other courses required in their concentration. Special topic courses are offered quarterly, and the topics for these will vary.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST483>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST484 Special Topic: History Summer (3 semester hours)**

This is a special topics course that is designed to afford students the opportunity to examine topics not covered by the existing curriculum. Students are permitted to substitute up to two special topics classes for other courses required in their concentration. Special topic courses are offered quarterly, and the topics for these will vary.

**September 2022 Summer D: HIST480-The Roaring 20's** This special topics course will examine the myths and realities of America's "Jazz Age," the 1920s. Recognizably modern and yet nostalgic, this "era of meaningful nothingness" nevertheless masked a deep-seated insecurity felt by many Americans. This insecurity would be reflected by the nation's immediate embrace of post-WWI isolationism in the 1920 Election. Nicknamed "the Age of Intolerance," this decade presented many challenges to a staid American society, from political scandals to labor unrest; from new gender roles to expanding racial consciousness. From the Golden Age of Hollywood to the bitter fruits of Prohibition, the historical and cultural legacies of the Roaring Twenties are still with us today.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST484>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST490 Independent Study: History (3 semester hours)**

An opportunity for History students to pursue an independent research project or examine a specific area of history under the mentorship of a single professor. Course is open to History majors only. The course will typically involve a major research paper; there will be no examination. Students will submit a proposal prior to the start of the project, and a rough draft of the paper, both of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact their academic advisor. Once the course is open the student must complete an official online registration for the course.

(Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST490>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST491 Writing a Research Proposal (3 semester hours)**

Preparation for the BA in History and Military History Capstone seminar begins on day one of a student's program of study. The theories, research methods and analytical skills, and substantive knowledge obtained through their BA curriculum provide the basis for the Senior Seminar. Students are required to develop primary and secondary source materials on their research topic and address the writing requirements as described in the syllabus and classroom assignments. The research proposal must provide a clear description of a question or problem and a proposed method of answering the question or solving the problem. This course should be the LAST course in your program prior to HIST498/MILH498 and should not be taken earlier in your program.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST491>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HIST498 Senior Seminar in History (3 semester hours)**

The Senior Seminar in History is designed to integrate the student's past work in their major field of study and to review as well as strengthen their understanding of their focus area in history. After a review of the student's academic experience, the student and professor will design a course of study to round out the student's preparation for research and writing a major paper in their field of interest. (Prerequisite: HIST491 and completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HIST498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Homeland Security (HLSS)

## **HLSS154 Mind of a Terrorist (3 semester hours)**

This course explores psychological and behavioral perspectives of terrorism. Specifically, the course examines the circumstances underlying why people radicalize and join terrorist groups, engage in terrorist activities, assume various terrorist roles, and, in some instances, de-radicalize and disengage from terrorist activities.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS154>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HLSS211 Emergency Response to Terrorism (3 semester hours)**

This course is designed to provide students with an understanding of terrorism in the world today. The course examines the history of international and domestic terrorist groups, both state and non-state actors. The course covers the legal aspects of terrorism and Weapons of Mass Destruction (WMD), the composition of WMD that threatens the world including chemical weapons, industrial chemical materials, biological agents, radiological and nuclear materials as well as explosives and explosive devices. The course also addresses the impact of the complexities of terrorism and Chemical Biologic Radiological and Nuclear (CBRN) Weapons on the emergency response community. The course will look at the pre-planning, mitigation, response, and recovery stages. The class will examine the actions necessary to bring the event to termination including: protecting the population and emergency responder, the roles of federal regulations to secure that protection; how the event is treated as a crime and the actions necessary to secure evidence and protect the environment.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS211>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HLSS212 Chemical, Biological, and Radiological Hazards (3 semester hours)**

This course provides an in-depth study of the nature and tactical use of chemical, biological, radiological, and nuclear (CBRN) agents/weapons by nation-states, state-sponsored organizations, and terrorists. The course will also discuss agricultural attacks and various approaches to deter the use of CBRN agents, materials, and weapons.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS212>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HLSS215 Regulatory Issues in Weapons of Mass Destruction (3 semester hours)**

This course focuses on the strategic and regulatory issues associated with weapons of mass destruction (WMD) response. Course topics include WMD-relevant public law, definitions, reporting authorities, and jurisdictional and functional issues that govern organizations, technical companies, medical providers, and the scientific world. Other topics include the moral/ethical issues of using WMD, various aspects of WMD response, global CBRN threats, and CBRN arms limitations, treaties, organizations, regimes, and agreements.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS215>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HLSS230 Chemistry of Explosives (3 semester hours)**

This course offers explosive handlers, bomb disposal technicians and responders an introduction to the chemical make-up and associated hazards of explosive substances. The combination of challenging reference sources and instructional interchange immerses the student in the world of explosive compounds including the research and development behind many explosive compounds widely used throughout the world today. This combination of reference materials, website research and group-related projects, allows the new explosive handler to learn the scientific basis for the long lists of safety precautions involved when handling explosives. Topics include, but are not limited to, history of explosives; basic chemical composition of explosives; and, safety precautions and guidelines when approaching or handling explosives. It will also cover researching information sites and references for material ranging from basic safety precautions of explosives to the resources available for emergency handlers and responders. The course helps students understand the hazards associated with common explosive materials.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS230>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **HLSS231 History of Explosive Ordnance Disposal (3 semester hours)**

This course is a dynamic and information packed introduction to the history of incendiaries and explosives. Included is a short study of the origins of modern-day Bomb Disposal and Explosive Ordnance Disposal (EOD) Teams and their evolving techniques. The course examines areas and ideas from the ancient mystique of “Greek Fire” and the inventions of gunpowder and high explosives, up to modern-day nuclear reactions and weapons of mass destruction. The course provides an in-depth understanding and appreciation of the history and background of the science and mechanics applied to explosive technologies, and provides for a better understanding of those who work to render safe unexploded hazards.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS231>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HLSS232 Electronics, Electricity, and Explosives (3 semester hours)**

This course is designed for Explosive handling technicians, police or military, or others who respond to incidents involving hazardous devices containing electrical and/or electronic components. Concepts covered include the important differences between electricity and electronics (E&E) from the scientific and technical perspective and the practical situational aspects of threats posed to any handler of suspicious E&E devices. Specific areas are covered in a logical and easy to digest manner and include the fundamental principles of Alternating Current (AC) and Direct Current (DC) including series, parallel, and series parallel circuits; hazardous device circuit component operations and capabilities; and, safety precautions and guidelines when dealing with circuits contained in hazardous devices. The course focuses on how to conduct research on information sites and references for basic circuitry and helps students recognize the technical aspects of circuit theory, components and capabilities required to effectively perform diagnostic procedures.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS232>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HLSS233 Explosive Incident Assessment: Methods, Practices, Protocols (3 semester hours)**

This course is an overview of Explosive Ordnance Disposal (EOD). It provides a framework in which to evaluate Standard Operating Procedures (SOPs) utilized by military and civilian Explosive Ordnance Disposal teams and Hazardous Devices teams in the field. The extremely hazardous nature of these operations lends itself to a detailed evaluation of the methods; practices and protocols used during live ordnance and emergency response calls. Formal EOD guidance contained in military instructions and regulations, and Federal Codes of Regulation (CFRs) are examined as references and for operational compliance. They are evaluated for efficacy in meeting the often conflicting and demanding needs of EOD operators. Procedures covered include the full spectrum of military EOD Required Operational Capabilities. Included are high-risk evolutions such as diving and demolition operations, parachuting and rappelling operations, and, response to weapons of mass destruction, and small arms employment under hostile and time constrained conditions. The vulnerability and risk of specific EOD procedures to terrorists’ actions is defined, and proposed countermeasures are weighted for effectiveness. The application of industry “Best Practice” risk management processes is examined for application to the Explosive Ordnance Disposal field.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS233>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HLSS300 Research Methods in Homeland Security Studies (3 semester hours)**

This class is highly recommended as the first course that upper-level homeland security students should take. It will prepare students to employ basic research methods and use their writing skills to produce sound research papers and analyses. Students taking this course will gain the knowledge of how to develop a research strategy, critically read and evaluate data, and communicate their findings in coherent, well-organized written work.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HLSS302 Introduction to Homeland Security and Defense (3 semester hours)**

This course offers a broad overview of key operational and policy areas the United States government employs to best ensure U.S. domestic security. Students will explore and discover central themes that create the framework of the homeland security enterprise that emerged after the 9/11 terrorist attacks and continues to evolve.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **HLSS303 Homeland Security Risk, Threats and Consequences (3 semester hours)**

This course examines the homeland security threat landscape by examining risks, threats, and consequences as they apply to local communities, states, and the nation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS303>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HLSS305 Private Sector Homeland Security (3 semester hours)**

The private sector is responsible for much of what has become known as the “homeland security enterprise.” This course will address this expanding role and address the responsibility of private sector entities in securing the homeland.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS305>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HLSS310 Critical Infrastructure Protection (3 semester hours)**

This course provides an overview of critical infrastructures and their relationships to one another. Critical infrastructure sectors will be analyzed to determine prioritization, potential areas of vulnerability to threats, and potential counter-measures that can be utilized. Students will explore issues pertaining to planning, securing, and responding to these infrastructures under serious threat to ensure continuity of operations. Factors that should be considered in the response to minimize disruption and improve first responder safety will also be discussed.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HLSS311 Border and Coastal Security (3 semester hours)**

This course is a study of the federal, state and local organizations involved in border and coastal security, associated homeland security issues, the various policy and operational strategies used for border and coastal access and security, and contemporary border and coastal security concerns. Topics also include immigration and non-U.S. approaches to border and coastal security.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HLSS312 Port Security (3 semester hours)**

This course is designed to provide students with a broad knowledge of port security issues. It examines the critical importance of ports to trade and the U.S. economy, as well as ports' vulnerability to disruption and attack. Legislation, port facility management and operations, access controls, and future maritime threats will also be discussed in this course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS312>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HLSS320 Intelligence and Homeland Security (3 semester hours)**

This course focuses on the development and evolution of U.S. intelligence support to the homeland security enterprise. Students will examine the roles and responsibilities of U.S. Intelligence Community members and the support they provide to the federal, state, and local levels as well as the intelligence collection programs for supporting homeland security. Also addressed in this course is the analysis of a terrorist group that threatens the homeland and how intelligence support could be used to counter the threat.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HLSS322 Homeland Security Legal and Ethical Issues (3 semester hours)**

This course provides an overview of legal and ethical issues in homeland security. Homeland security legislation and executive orders will be discussed, as will international law, conventions, and declarations. The central focus of the course is the balance of goals, strategies, and objectives for effective homeland security while preserving civil liberties. Issues surrounding intelligence and the use of surveillance, rights of U.S. citizens and foreign nationals, immigration, transportation security, and cyber security will all be examined.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS322>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**HLSS323 Homegrown Violent Extremism (3 semester hours)**

This course explores homegrown and domestic violent extremism in Western society, which has significantly increased due to the inspiration of domestic causes, foreign causes, and terrorist groups. This course examines the ideology of homegrown and domestic extremists and the different models of why and how people become radicalized and take violent action against their fellow citizens. Also addressed in this course is the increasing use of social media to recruit and radicalize individuals, initiatives to counter homegrown and domestic violent extremism, and efforts to de-radicalize individuals.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS323>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**HLSS498 Senior Seminar in Homeland Security (3 semester hours)**

This senior capstone course allows students majoring in homeland security to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses.

Prerequisite: Completion of a minimum of 106 hours towards your program.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HLSS498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Hospitality Management (HOSP)

## **HOSP100 Introduction to Hospitality Management (3 semester hours)**

Hospitality Management is the largest service industry in the world. This course is an overview of the basis dimensions of professionalism, customer service, and sustainability to the major areas of hospitality management, and segments of travel and tourism. The background and historical development of the hospitality industry and its component areas are presented; employment opportunities and trends in each area are discussed. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HOSP101 Foodservice Sanitation (3 semester hours)**

An examination of topics related to food borne diseases and how to control them, importance of employee personal hygiene and habits, and appropriate procedures for handling utensils and equipment. Key terms and real-world food safety case studies are reviewed. (Prerequisite: HOSP100)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HOSP110 Practical Food Safety and Awareness (3 semester hours)**

In a developed country, one can often take for granted the safety of the food supply. 1 in 6 Americans get sick from foodborne illness annually, with an estimated 128,000 requiring hospitalization and resulting in approximately 3,000 deaths annually. Practical knowledge in safe food sourcing, storage, preparation and serving is addressed along with providing tips for practical awareness of techniques for staying safe. In a global society, food safety is not just a local issue, and everyone should have a working knowledge of food safety and what to look for to remain free of foodborne illness. In this course, students will learn general techniques for preparing and consuming food that is free from harmful pathogens, incorporating the flow of food from purchasing through storage and preparation to serving. Students will explore contemporary and cross cultural issues surrounding food safety in a global society. Practical knowledge about preparing safe food and red flags to watch for when dining out will be explored. Students will learn where to find information on health inspection reports, foodborne illness outbreaks and recall alerts, and will know where to report any suspected foodborne illness or suspicious activity related to the food and water supply.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP110>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HOSP200 Food and Beverage Management (3 semester hours)**

Introduction to the principles of the food and beverage management; attention is focused on major industry segments, business practices and trends. Subsequently, detailed consideration is given to the components of the foodservice system: marketing, menu planning, logistical support, production, service, controls, and quality assurance. Product and systems differentiation in various industry segments are emphasized throughout. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HOSP202 Quantity Food Preparation (3 semester hours)**

A study of established standards, techniques, and practices in large quantity food production, to include sales, production, and service of meals in varied environments - fine dining, casual table service, and catering, among others. (Prerequisite: HOSP100)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HOSP203 Hotel and Restaurant Purchasing (3 semester hours)**

A study of the principles and techniques of purchasing both food and non-food supplies applicable to the food industry. Purchasing ethics are discussed in additions to specifications for all items.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP203>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP204 Introduction to Hotel and Restaurant Law (3 semester hours)**

A study of the legal rights and liabilities of travel and tourism personnel, hotel and restaurant operators, including innkeeper and guest, landlord and tenant, liquor, sanitation, labor and other laws applicable to hotel and restaurant operations; insurance coverage for the protection of the hotel and restaurant operators from the various liabilities inherent to these types of operations; safety measures necessary to protect guests and employees from legal harm.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP204>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP207 Principles of Cost Control in Foodservice Operations (3 semester hours)**

This course covers the necessary principles to keep food, beverage and labor costs under control, helping to contribute to the success of the operation. Students will apply the terminology and calculations involved in cost control systems and analysis. The course will examine cost control techniques for food, beverage and labor. Menu engineering and analysis will be introduced along with development of cost reduction methods through management policy.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP207>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP212 Fundamentals of Tourism Management (3 semester hours)**

A comprehensive look at the output, employment, exports, investments and taxation emanating from the immediate providers of travel and tourism products and services.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP212>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP221 Hospitality Marketing (3 semester hours)**

An introduction to the marketing of hotels, restaurants and clubs. Information on market segmentation, marketing research, public relations, promotions, packaging, pricing strategies and the future of hospitality marketing.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP221>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP295 Restaurant Operations Seminar (3 semester hours)**

This course is a culminating course for the Associate of Arts in Hospitality Management, Restaurant Operations concentration and the AAS in Culinary and Foodservice Management. It is designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Hospitality Management. The student will participate in simulated exercises that provide practical exercise enabling the student to demonstrate a grasp of hospitality management study. This is a culminating course to be taken after all other Associate of Arts in Hospitality Management and Associate of Applied Science in Culinary and Foodservice Management courses have been satisfactorily completed. Student must have SOPHOMORE standing to register. This course is to be taken as the LAST course in the A.A. in Hospitality Management and AAS in Culinary and Foodservice Management programs.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP295>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP300 Managerial Accounting for the Hospitality Industry (3 semester hours)**

Key accounting concepts and the selective application of their most effective strategies and tactics are mission critical factors for most hospitality operations. Students complete financial statements and analysis using sound accounting principles, preparing them for real-world, hands-on managerial accounting in a hospitality setting. Revenue management and dynamic pricing, accounting for hospitality operations, and profitability indexes are introduced.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP302 Hospitality Law (3 semester hours)**

Focus is on fundamental laws, rules, and regulations applicable to the hospitality industry regarding rights and liabilities of innkeepers and restaurant operators. Case studies will be used to provide additional learning opportunities specific to hospitality.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP304 Nutrition in the Food Service Industry (3 semester hours)**

An introduction to basic nutrition concepts and concerns in relation to food preparation and service in the hospitality industry. Students are introduced to nutrition and dietary guidelines and the connection to healthy life styles and prevention of health issues.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP304>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP308 Meeting and Convention Planning (3 semester hours)**

A thorough explanation of the lucrative meeting and convention industry and its function in the travel and tourism sector. An overview of the meeting, exposition, and convention businesses, that covers the history of these businesses and the economic value they represent to a destination. Course will include a broad brush of the organizations that support this segment, such as convention bureaus, destination management companies and meeting planners.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP308>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP309 Convention Sales and Services (3 semester hours)**

A practical insight into servicing different kinds of meetings and conventions, the types of organizations that stage such events, and the people who hold the key to site selection, and implementation is the focus. Convention management is presented in a way that prepares the student for real-world experiences in planning, selling and servicing meetings and conventions.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP309>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP310 Management of Lodging Operations (3 semester hours)**

Focuses on the understanding of how hotels are managed from the rooms' perspective. Managerial aspects of the front of the house departments/divisions and the back of the house departments/divisions are to ensure efficient lodging operations; topics include the overview of the lodging industry, housekeeping, front office, PBX, reservations, revenue management, forecasting, budgeting, inventory management, service, ethics, and technology.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP316 History and Culture of Wine (3 semester hours)**

Study of wine manufacturing, quality criteria, and sensory standards for both U.S. and international wines; topics include history of wine in society, selection of wine for specific meals, and wine variations. Opportunities for students to purchase different types of wine and participate in evaluative tasting techniques are presented; however, alternatives are available for students that choose not to, or may not legally, consume alcoholic beverages.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP316>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP320 Business and Conference Hospitality Mgmt (3 semester hours)**

A study of business travel and conference management in the multi-billion dollar industry is covered from the international down to the local level.

Discussions focus on best practices, strategies, and customer perspectives that differ for business vs. leisure travel, leading organizations in the business and conference hospitality industry, issues of liability and insurance, and other factors implicit in effectively managing and providing services to be competitive in this industry.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP321 Marketing and the Hospitality Industry (3 semester hours)**

A comprehensive review of marketing in the hospitality industry; restaurants, hotels, planned play, theme parks and convention centers, based upon customer satisfaction and the customer's perspective. Students will identify best practices in marketing, analyze the market, and assess consumer behavior, offerings, price, and promotion strategies.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP321>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP325 Revenue Management for the Hospitality Industry (3 semester hours)**

An independent area of study of the legal and ethical rights from a variety of hospitality segments where yield management directly affects the prices charged and the selling methods of the industry.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP325>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP335 Leadership and Management in Hospitality (3 semester hours)**

Focus is on the leadership role, people management, interpersonal skills and attention to quality in hospitality organizations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP335>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP350 Managing Technology in the Hospitality Industry (3 semester hours)**

Focuses on identifying and evaluating technology by type and utility to assess how technology influences the guest experience and operations management. Interconnected components of a system, data gathering and analysis, utility, and ease of use are examined through class reading, group discussion, and assessments.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP350>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP400 Quality Service Management (3 semester hours)**

The focus is on service delivery and methods for implementation and improvements within the service delivery process. Special emphasis will be placed on management and supervision techniques in service quality along with steps in critical evaluating and implementing a quality service plan within hospitality based organizations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP400>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP410 Advanced Tourism and Hospitality Management (3 semester hours)**

Focus is on advanced techniques and skills for Hospitality Management Professionals to ensure effective and efficient management within the Tourism and Hospitality Management industries. Standards and expectations for restaurant owners, hotel and tourism managers and meeting and event planners are addressed. Price points, product development, tips and marketing techniques that restaurants, hotels, tourism organizations and event planners employ to enhance the customers' experience are addressed. (Prerequisite: HOSP100)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP410>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP413 Meeting and Event Risk Management (3 semester hours)**

This course introduces procedures to manage facilities and risks specific to the events industry. Current knowledge in risk management is needed to protect guests from safety hazards and firms from loss of profits specific to this unique sector of hospitality. Topics covered include: health and safety, loss prevention and security, emergency preparedness and safeguards, program design and site management. (Prerequisite: HOSP 100)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP413>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HOSP415 Destinations and Cultures (3 semester hours)**

Introduces tourism development as a process with its own organizational structures and its own responses to the economic cycle of supply and demand. Cultural environments and their influence are discussed.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP415>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**HOSP495 Senior Seminar in Hospitality Management (3 semester hours)**

The 16-week Senior Seminar is the final course for the BA in Hospitality Management. Students fulfill the requirements by obtaining an internship in their selected concentration. Students obtain an internship that consists of 80 hours of work over the 16 weeks in a self-selected and instructor approved hospitality environment (hotel, restaurant, convention center, etc.). Students will apply insights and learning from the classes and obtain real-time work experience. Students are required to keep a journal or log during the internship capturing questions, insights, and learning from the experience. Upon completion of the practicum students will write a final 10 page integrative paper drawing upon literature and insights to support and enhance their practicum experience. For those students who do not obtain an internship, they can fulfill the requirements by writing a 30-page, instructor-approved, research paper that is connected to a real organizational issue. See syllabus for further information. (Prerequisite: Completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HOSP495>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Humanities (ARTH)

## **ARTH200 Art Appreciation (3 semester hours)**

This course provides a survey of the visual arts, which is directed at understanding how to read the global visual world. Building from basic terminology and fundamental analysis, to more complex concepts of understanding art, the course provides tools for examining, analyzing, interpreting, and writing about works of art. Topics will include the political, religious, socio-cultural, and aesthetic functions of painting, sculpture, architecture, camera arts, and new media. No prior art classes or experiences are required.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ARTH200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ARTH240 Survey of Photography (3 semester hours)**

This course is designed to acquaint the student with the history of photography from its beginnings through contemporary times, including its terminology and analytical skills applied to the art and practical applications of photography. The course will give the student a broad background of major photographic works and photographers from various eras in both Western and non-western arts; photographic production, tools, and techniques; ways to interpret art and apply photographic terminology; describing, comparing, contrasting, and analyzing photography within technological, social, political and historical contexts; and applying digital information literacy to the research and writing process about photography.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ARTH240>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ARTH241 Film and Literature (3 semester hours)**

This course is designed to enhance students' appreciation for the history and traditions of American film. Students will investigate traditional as well as non-traditional film images, themes, techniques, and styles.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ARTH241>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



# Humanities (MUSI)

## **MUSI200 Music Appreciation (3 semester hours)**

Spanning the Middle Ages through the twenty-first century, this course offers a thorough introduction to the elements of music, a broad overview of the history of musical styles, including cultural contexts and perspectives.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MUSI200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MUSI212 Jazz and Rock (3 semester hours)**

This course is designed to provide students with an introduction to popular American music in the 19th, 20th, and 21st centuries and the cultural contributions of African Americans, Indigenous peoples, Hispanics, and European descendants. Students will learn about ragtime, jazz, how jazz became an art, blues, rhythm and blues, rock and roll, and popular music. Important artists will be discussed, important songs will be reviewed, and the intersection of cultures will be analyzed throughout the course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MUSI212>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MUSI250 World Music and Cultures (3 semester hours)**

World Music and Cultures explores traditional and popular from major regions of the world, and how music relates to its culture. Students develop knowledge of representative styles and regional characteristics in world music, including cultural context and perspectives.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MUSI250>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Information Technology (DSIN)

## **DSIN141 Image Enhancement using Adobe Photoshop® (3 semester hours)**

This course introduces students to the principles and practices of image manipulation, image enhancement, and image storage. In this class, students will explore graphical file formats, color and perception, color balance, histograms, web-friendly colors, the impact of image size and resolution on screen size and resolution, brightness, contrast, image noise, noise reduction, and digital signal processing (blurring, de-blurring, Gaussian filters, sharpening, softening, spot healing, dodging, and burning). The course will also teach students about transparency, opacity, hue, saturation, image layering, color blending (multiplying and dodging), image transformation (rotation, resizing, and shearing), selections (pixel and vector), alpha channels, and image modes (grayscale, RGB, CMYK, HSB, and indexed color). NOTE: For this course, students must have access to Adobe Photoshop. This software is not provided by the course material grant and must be purchased/provided by students. Adobe Photoshop® is a registered trademark of Adobe, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DSIN141>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **DSIN143 Design Using Adobe InDesign® (3 semester hours)**

This course studies the principles, practices, processes, and disciplines related to using Adobe InDesign to create print media for effective communication. In this course, students will learn how to evaluate the design process and acquire the knowledge for planning, preliminary negotiations, pre-visual research and analysis, visual conceptualization, points of view, attitude, document design, document production, and post-production. This class also examines the principles of typographic design, word design, page organization, page layout, the integration of words and images, character styles, paragraph styles, layout design, tiling, scaling, textures, and illustrations. In addition, this course investigates color theory, additive and subtractive color models, complementary colors, patterns, and rhythms. Students will apply their knowledge to design flyers, brochures, CD/DVD covers, and product packaging. NOTE: For this course, students must have access to Adobe InDesign. This software is not provided by the course material grant and must be purchased/provided by students. Adobe InDesign® is a registered trademark of Adobe, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DSIN143>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **DSIN241 Illustration & Design Using Adobe Illustrator® (3 semester hours)**

This course examines the process of designing, developing, and deploying text and graphics using an industry standard vector graphics program, Adobe Illustrator. Students will create graphics that take advantage of the broad set of tools, effects, and attributes available in Illustrator. Also, students will learn to edit existing vector graphics files and structure and manage vector graphics files for maximum efficiency and effectiveness. In addition, the course will cover how to format files for use in other applications and for output to a variety of imaging devices. NOTE: For this course, students must have access to Adobe Illustrator. This software is not provided by the course material grant and must be purchased or provided by students. Adobe Illustrator® is a registered trademark of Adobe, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=DSIN241>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Information Technology (ENTD)

## **ENTD120 User Experience I (3 semester hours)**

This is an introductory course on user experience (UX). It explores fundamentals concepts, principles, theories, laws, and techniques of UX. It examines how UX affects the success or failure of a business or an organization. The course also addresses psychology, ethical implications of UX and user design principles. This course will serve as the foundation for other related UX courses.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD120>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ENTD200 Fundamentals of Programming (3 semester hours)**

This course introduces students to writing computer programs. The class presents the principles of structured programming using the Python® language, one of the most increasingly preferred languages for programming today. Because of its ease of use, it is ideal as a first programming language and runs on both the PC and Macintosh platforms. The course is designed for people without previous programming experience who do not necessarily plan on becoming professional programmers. However, the knowledge gained in the class can be applied later to other languages such as C and Java®. Participants learn to solve problems logically by breaking them into smaller pieces, which can then be solved. The course uses standard Python to afford a more interactive experience. Topics include: introduction to computing - how does a computer work?; input and output - getting information to and from the user; variables and expressions - performing arithmetic; data statements - reading information from inside the program; text files - reading information from other files; arrays - groups of variables; debugging - finding errors in your program; graphics; and formatting - changing how things look on the screen. Python® is a registered trademark of the Python Software Foundation. JavaScript® is a registered trademark of Oracle America, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ENTD220 Introduction to Python® (3 semester hours)**

The course presents the principles of object-oriented programming using the Python® language, one of the most increasingly preferred languages for programming today. Python is a high-level general-purpose programming language that is portable and used on different systems to include UNIX and Mac—it is platform independent. Python has been touted as one of the most powerful and easy to learn programming languages. The course addresses syntax, types, variables, strings, branching, loops, tuples, lists, dictionaries, functions, files, exceptions and other related concepts and terms in an effort to establish a solid foundation for more advanced programming using structured language. The course will also provide both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered. The Python interpreter is available online for free. This software is not provided by the course material grant and must be purchased/ provided by the student. (Prerequisites: ENTD200 or ENGR200) Python® is a registered trademark of the Python Software Foundation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD220>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ENTD261 Scripting Languages for the Administrator (3 semester hours)**

This course introduces the scripting languages necessary in custom programming for server administration and security purposes. Introductory level programming will be covered using scripting languages such as JavaScript®, VBScript®, Windows Shell Script, Python® and SQL. Previous programming experience is recommended. You must have access to a Windows®-based system to successfully complete the assignments in the course. JavaScript® is a registered trademark of Oracle America, Inc. VBScript® is a registered trademark of Microsoft Corporation. Python® is a registered trademark of the Python Software Foundation. Windows® is registered trademark of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD261>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ENTD268 Information System Design (3 semester hours)**

This course is an overview of the system development life cycle. Emphasis on current system documentation through the use of both classical and structured tools/techniques for describing process flows, data flows, data structures, file designs, input and output designs and program specifications. Discussion of the information gathering and reporting activities and of the transition from analysis to design.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD268>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTD278 Object Oriented Design (3 semester hours)**

This course is a study of the principles, practices, and technical architecture and development characteristics of Object Oriented Programming and an examination of the differences between object oriented programming and traditional programming. It examines objects, instances, classes, inheritance, polymorphism, encapsulation, abstraction, methods, attributes, tight-encapsulation, interfaces, type casting, type conversions, and object libraries. This course differentiates between single-inheritance model and multiple inheritance models. This course also explores the foundations of the Unified Modeling Language (UML), class models, state models, and interaction models. (Prerequisites: ENTD268)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD278>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTD300 User-Centered Experience Behavioral Design (3 semester hours)**

This course provides a study of behavioral user experience (UX) techniques, strategies, tools, and tactics. This course will be taught utilizing a mixture of analytical and practical methods. The course examines UX principles and human behavior patterns, as well as how they are used to improve the UX design of products, services, and processes. Course topics include common types of behavioral UX Issues, user personas, behavioral UX data analysis, and user behavior and psychology. Other topics covered in the course include behavioral design, human computers and cognition, and usability analysis. The course begins with introductory UX concepts and lays the foundation for more advanced topics. The course covers both conceptual and scenario-based exercises, which will enable students to more easily comprehend and retain the course material. (Prerequisite: ENTD120 and WEBD122)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTD301 User Experience Strategy (3 semester hours)**

This course introduces concepts and strategies for creating a successful User Experience (UX). It examines various UX design principles and associated business strategies. Students will use strategy tools and techniques in a team approach to address user-centric problems and find innovative solutions that are useable, accessible, reliable, desirable, stable, and secure for users. Topics covered in this course include the evolution of UX strategy, the tenets of UX strategy, value propositions and innovation, target users, user research and analysis, and business model prototypes. (Prerequisite: ENTD120 and WEBD122)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTD313 Mobile Application Design and Development (3 semester hours)**

This course is an introductory study of mobile application design and development and how enhanced mobile devices are changing the face of technology. The course begins with some introductory concepts to lay the foundation for more advanced topics, such as regarding development platforms, cross-platform development, mobile operating systems, the mobile web, The Internet of Things, and artificial intelligence in mobile apps. Also, the course will cover a theoretical overview of mobile application, design and development issues, and practical application concerns. Conceptual and scenario-based exercises will be used to reinforce student learning in the course. To do well in this course, students will need introductory-level programming experience and/or knowledge; no specific programming language is required.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD313>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTD320 Intermediate Python® Programming (3 semester hours)**

This course presents the principles of object-oriented programming using the Python® language, one of today's preferred languages for programming. Python is a high-level general-purpose programming language that is portable and used on different systems, including UNIX and Mac, and it is platform independent. Python has been touted as one of the most powerful and easy-to-learn programming languages. The course addresses data structures and algorithms; efficient and scalable Python programming; RESTful application programming, interface services, microservices, and multiprocessing using the Python programming language; and other related concepts and terms in an effort to establish a solid foundation for more advanced programming using structured language. The course will also provide an intermediate level of both conceptual and scenario-based exercises, thus enabling students to maximize their comprehension and retention of material covered. The Python interpreter is available online for free. This software is not provided via the course material and must be obtained by the student. (Prerequisite: ENTD220) Python® is a registered trademark of the Python Software Foundation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTD323 App Development (3 semester hours)**

This course studies application development for various mobile devices and covers how to enhance the use of mobile devices with uniquely designed application software. The course expands on concepts introduced in other mobile application design and development courses and allows students to design and develop a prototype app. In addition, this course covers scenario-based exercises and requires students to use assigned tools to write, test, and deploy mobile software applications associated with applicable operating systems. Before the class begins, students must install the latest Xcode®, available from the App Store. Students must have access to an Apple computer with Xcode installed to successfully complete this course. Students will also need intermediate-level programming experience and/or knowledge, including previous programming experience using an object-oriented C-based language such as C#, Java®, Python®, or C++. (Prerequisite: ENTD313)Xcode® is a registered trademark of Apple, Inc. JavaScript® is a registered trademark of Oracle America, Inc. Python® is a registered trademark of the Python Software Foundation. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD323>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTD380 Introduction to Object Oriented Programming with Java® (3 semester hours)**

This course is an introduction to the concepts and principles of Object-Oriented Programming (OOP) using Java® programming language. Writing programs for mobile devices such as smartphones and tablets is in growing demand. Java is one of the most popular programming languages used to address this need, especially for requirements involving several computing devices. The course addresses Java fundamentals, branching and loop control structures, subroutines, objects and classes, Graphical User Interface (GUI) program, arrays, recursion and linked data structures, and other Java related concepts and principles. This course solidifies a theoretical overview of designing and developing applications using Java programming language. The course will also provide both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200)Java® is a registered trademark of Oracle America, Inc. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD380>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTD381 Object Oriented Programming With Java® (3 semester hours)**

This course is a study and application of the principles and concepts of Object-Oriented Programming (OOP) as it is implemented in the world of Java®; including inheritance, encapsulation, and polymorphism. It appraises the processes and practices used to develop IT solutions that are reusable, modular, and small; all of which are popular objectives in the world of IT management. This course explores the inheritance (is a), containment (has a), and collaboration (use a) relationships; and examines the major packages in the Java Class Library, strings, arrays, classes; instantiation, properties, methods, constructor methods, method overloading, method overriding, inheritance modifiers, access modifiers, interfaces, and packages. This course also assesses exception handling with the use of “try,” “catch,” and “finally.” Students must have access to the latest edition of the Java Development Kit. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisites: ENGR200 or ENTD380)Java® is a registered trademark of Oracle America, Inc. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD381>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTD382 Intermediate Object-Oriented Programming With Java® (3 semester hours)**

This course is designed to build upon the foundational concepts of Java® programming. This course delves deeper into object-oriented principles, the Graphical Users Interface (GUI), and advanced Java features. Students will gain hands-on experience in developing robust and maintainable Java applications. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD381) Java® is a registered trademark of Oracle America, Inc. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD382>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTD411 Application Development (3 semester hours)**

This course covers issues of software project development from the perspective of a manager and of an application developer: from conception, to prototyping, to interfacing with analysts, supervisors/team leaders and management, through to product testing, release, and maintenance. Also covered are issues related to revision control, coding under stress, and strategies for dealing with budget and schedule overruns. Particular attention is given to strategies for maintaining code quality, programmer productivity, and coding and design standards under budget, staffing, and time constraints. Lateral versatility of the developer within project roles across a project's life span (such as often occurs in small software companies) is emphasized. (Prerequisite: ENTD200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD411>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTD460 Desktop Development with .NET Framework (3 semester hours)**

This course studies the .NET framework. Students will examine the differences between Visual Basic for Applications (VBA) and VB.NET. Students will examine Common Language Runtime (CLR), Microsoft Intermediate Language (MSIL), .NET Framework Class Library, and Visual Basic .NET (VB.NET). The course will create classes, properties, methods, constructor methods, sub-procedures, and function-procedures. Students will handle events, explore datatypes, build Windows forms, add and interact with controls, specify events, develop event-handling code, and add menus. Students will also evaluate ADO.NET, choose an ADO.NET provider, connect to a database, and perform database interactions. Students must have access to Visual Studio® 2019 Community Edition (or higher). This software is not covered by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200) Visual Studio® is a registered trademark of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD460>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTD462 Enterprise Development Using ASP.NET (3 semester hours)**

This course is a study of the theory, concepts, and applications of the Active Server Page (ASP.NET) web development environment. Students will learn about working with the page (web form, error handling, tracing, page personalization, and rich page composition), the ASP.NET object Model (request, response, server, session, application, global.asax file, and collaborative data object), the HTTP Request Context and life cycle. The student will also manage and establish state across HTTP connections, MVC model and web services. Students must have access to Visual Studio® or Visual Web Developer Express Edition® software. (Prerequisite: ENTD200 and ENTD361) Visual Studio® and Visual Web Developer® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD462>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTD463 Enterprise Development Using C# (3 semester hours)**

This course is a study of the C# language and its object-oriented facilities to create applications using the .NET Framework. Students will explore data types, classes, methods, parameters, properties, interfaces, iteration, conditional branching, constructor methods, and destructor methods. They will examine parameter passing, method overloading, method overriding, access modifiers, exception handling, and event handling. They will also create forms with controls, and with event handling for these controls. Students will also use Visual Studio.Net to set profiles, create projects, use the solution explorer, set references, set project properties, use the code editor, define assembly information, compile the code, run the application, and debug the program. Students must have access to Microsoft Visual Studio® software. Students must have access to Microsoft Visual Studio 2010 or Visual C# 2010 Express Edition or higher. (Prerequisites: ENTD200 and ENTD361) Microsoft Visual Studio® is a registered trademark of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD463>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTD464 Enterprise Development using .NET: Project (3 semester hours)**

This course evaluates the process for designing, developing, and deploying .NET enterprise applications. This course is a culmination of courses on Visual Basic.Net, ASP.Net, and C#.Net; the student will apply the knowledge and skills learned in these courses to develop and deploy a web-based application. This course investigates the process for configuring the .Net Framework and examines the issues related to project integration and application deployment. Students must have access to Visual Studio® 2008 or Visual Web Developer® 2008 Express Edition (or higher) and Microsoft Access® 2007 (or higher) software. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD200) Visual Studio®, Visual Web Developer® and Microsoft Access® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD464>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ENTD481 Enterprise Development using J2EE (3 semester hours)**

This course focuses on the concepts and principles of designing, developing, and deploying N-Tier Java® based enterprise web applications. It examines the architectures, the process, the Java Servlet life cycle, and the practices for developing and deploying Java Server Pages (JSP), Java Servlets, and JavaBeans based enterprise web applications. This course also explores the concepts of Java Database Connectivity (JDBC), connection pooling, exception handling, data integrity, and transaction controls. It assesses the impact of enterprise web architectures and applications on global ecommerce and economies. Students must have access to the latest edition of the Java Development Kit, J2EE Development Kit, and Apache Tomcat. This software is not provided by the course material grant and must be purchased/provided by the student. (Prerequisite: ENTD381) Java® is a registered trademark of Oracle America, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ENTD481>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Information Technology (INFO)

## **INFO161 Relational Databases with MS Access: Introduction (3 semester hours)**

This course focuses on the role, function, and operations of relational databases in the management of information. The course will be taught from a mixture of analytical and practical methods. This course introduces the student to the concepts of relational databases and to the principles of relational database design in the context of the Microsoft Access® Relational Database Management System (RDBMS). Students will apply their knowledge of the principles of data design and database engineering to design and develop a database application that includes user interfaces, form design, data analysis, and data presentation. They will examine the rudiments of referential integrity and normalization, and apply this knowledge to design the database tables that implement validation rules to ensure application integrity. They will also examine and develop advanced queries such as: top values, list of values, cross tab, find duplicates, and find unmatched. Students must have access to Microsoft Access software. This software is not provided by the course material grant and must be purchased/provided by the student. The book meets the topical requirements for the Microsoft Office Specialist (MOS). Course software requirements with the appropriate versions are listed under the course materials site. Note for Mac Users: Access 2013 does not work on Mac OS. APUS recommends using Windows OS even on Mac. If Mac OS must be used it is recommended to install Windows on Parallels (purchased separately) and install Access 2013 on the Windows OS via Parallels. Microsoft Access® is a registered trademark of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INFO161>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **INFO221 Relational Database Concepts (3 semester hours)**

This course introduces students to the concepts, management issues, and advantages of relational database management systems. Topics covered in the class will include data definition, data manipulation, relational algebra, Structured Query Language (SQL), and Online Transaction Processing (OLTP) systems. Also, this class examines database design, normalization for OLTP systems, Codd's rules for OLTP systems, data integrity, database system functions (journaling, forward recovery, and backward recovery), database security (authentication and authorization), and database administration. Other topics that students will explore in this course include distributed databases, Online Analytic Processing (OLAP) systems, data warehouses, and object-oriented databases.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INFO221>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **INFO222 Database Concepts (3 semester hours)**

This course studies the major advancements in database technology that have taken place in recent years. The class will introduce students without a prior background in Microsoft Access® to basic concepts and will cover advanced topics as well. The course offers both conceptual and hands-on material in database management, enabling students to have improved comprehension and retention of course material. Note: Software for this course is not provided by the course material grant and must be purchased/provided by students. Note for Mac users: Access 2019 and older do not work on the Mac OS. The University recommends using Windows OS, even on Mac. If a Mac OS must be used, it is recommended that students install Windows on Parallels (purchased separately) and install Access 2019 on the Windows OS via Parallels. Microsoft Access is a registered trademark of Microsoft Corporation. Microsoft Access® is a registered trademark of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INFO222>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **INFO261 Relational Databases with MS Access®: Advanced (3 semester hours)**

This course focuses on developing Microsoft Access® Switchboard applications; it includes: designing and building form and report interfaces, interfacing the Access database to a web page, building dynamic web pages, integrating Access with other Office applications such as Microsoft Excel®, building pivot tables and charts, categorizing the various types of join operations, examining the rudiments of the Visual Basic for Applications (VBA) code, debugging VBA code, creating macros and functions, and designing Access applications. Students must have access to Microsoft Access software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. Note for Mac Users: Access 2013 does not work on Mac OS. APUS recommends using Windows OS on Mac. If Mac OS must be used it is recommended to install Windows on Parallels (purchased separately) and install Access 2013 on the Windows OS via Parallels. Note for Mac Users: Access 2013 does not work on Mac OS. APUS recommends using Windows OS on Mac. If Mac OS must be used it is recommended to install Windows on Parallels (purchased separately) and install Access 2013 on the Windows OS via Parallels. Microsoft Access® and Microsoft Excel are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INFO261>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INFO262 Relational Databases with MS Access®: Project (3 semester hours)**

This course is a study and application of the Microsoft Access® VBA Programming; it takes you from using Access to programming with Access. This course translates ERD diagrams into database designs, examines the VBA programming model, converts macros to VBA code, delves into the rudiments of the Visual Basic for Application (VBA) language system, uses the VBA editor, uses VBA to connect to Access, utilizes VBA to perform DDL actions in Access, creates sub procedures, implements functions, handles errors, performs debugging, and utilizes the built-in functions. This course also includes implementing database access in Windows-based and Web-based solutions. This course also includes an examination of the Security Model in the context of Access and VBA. Students must have access to Microsoft Access software. This software is not provided by the course material grant and must be purchased/provided by the student. Course software requirements with the appropriate versions are listed under the course materials site. Note for Mac Users: Access 2013 does not work on Mac OS. APUS recommends using Windows OS even on Mac. If Mac OS must be used it is recommended to install Windows on Parallels (purchased separately) and install Access 2013 on the Windows OS via Parallels. Note for Mac Users: Access 2013 does not work on Mac OS. APUS recommends using Windows OS even on Mac. If Mac OS must be used it is recommended to install Windows on Parallels (purchased separately) and install Access 2013 on the Windows OS via Parallels. Microsoft Access® is a registered trademark of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INFO262>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INFO331 Management Information Systems (3 semester hours)**

This course provides a technical and organizational foundation for understanding the use and importance of information systems and information technology in today's management environment. This course covers the hardware, software, and infrastructure that support management information systems. Information and decision support systems, knowledge management and specialized information systems, database management systems, telecommunications, the Internet, Intranets, Extranets, and wireless networks will be examined. This course also covers systems development, e-commerce, and the ethical and societal impact of management information systems.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INFO331>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INFO400 MongoDB® and Python® (3 semester hours)**

In this dynamic, project-based course on Python® and its applications, students will explore various aspects of Python and its use in data analysis. Students will have the opportunity to learn and apply analytical methods, dive into statistics, and understand the fundamentals of machine learning. Students will also work with traditional SQL databases and explore NoSQL data management systems. The course will also help to provide students with a well-rounded understanding of different data management approaches. The course will focus on engaging exercises that will help students to develop essential skills and gain hands-on expertise with key data science libraries. (Prerequisites: ENTD200, ENTD220, and INFO222) MongoDB is a registered trademark of MongoDB, Inc.; Python® is a registered trademark of the Python Software Foundation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INFO400>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**INFO498 Information Technology: Capstone (3 semester hours)**

This capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Information Technology. The student will complete an approved academic project and paper that demonstrates mastery of their program of study in a meaningful culmination of their learning, and assesses their level of mastery of the stated outcomes of their degree requirements. This is a capstone course to be taken after all other Information Technology courses have been satisfactorily completed. Students must have senior standing in the program and must demonstrate that they have taken all other IT courses in their degree plan prior to registering for this course. (Prerequisite: Completion of a minimum of 105 hours towards your program including ENGL101 or ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INFO498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Information Technology (ISSC)

## **ISSC221 Intermediate Computer Systems (3 semester hours)**

This course is a study of computer systems, computer organization, computer subsystems, and operating systems. This course examines CPUs, motherboards, basic input/output systems, memory subsystems, bus structures, expansion cards, ports, connectivity, interfaces, data storage subsystems, and multimedia interface devices. This course also evaluates computer monitoring, computer systems management, operating systems, networking, and security. This course covers the CompTIA A+® Certification Essentials curriculum. CompTIA A+® is a registered trademark of the Computing Technology Industry Association, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC221>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ISSC231 Networking Concepts (3 semester hours)**

This course is a study of the evolution, the concepts, and the principles of local, distributed and enterprise networking. This course examines Network design, topologies, architecture, media, interface cards, protocols, problem resolution, communications, administration, operations, and resources. It introduces the student to the concepts of wireless networking, and web-based networks. This course also explores the Open Systems Interconnection (OSI) and the Transmission Control Protocol/ Internet Packet (TCP/IP) reference models. This course also examines internetworking servers, and hardware and operating systems maintenance.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC231>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ISSC242 Hardening Operating Systems (3 semester hours)**

This course is a study of the principles and concepts of Network Security from various aspects including but not limited to hardware, software, and other critical elements relating to the CIA Triad. There is an emphasis on standard Operating System (OS) functions and discovering vulnerabilities. Upon completion of this course, students will be able to demonstrate an understating of methodologies and measures necessary to take a preventive stance to address security vulnerabilities. Students will examine the principles, practices, and policies related to hardening and securing Operating Systems. This course focuses on vulnerabilities and related countermeasures of various Windows components.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC242>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ISSC262 Red and Blue Team Security (3 semester hours)**

This course examines the techniques and technologies for penetration of networks, detection of attacks, and prevention of attacks. This course addresses the techniques, the technologies, and the methodologies used by cyber intruders (hackers) to select a target and launch an attack. Students will gain insight into the motives and desired goals of hackers as well as effective tools and techniques used as countermeasures ensuring data assets remain secure. This course focuses on techniques and technologies to detect such attacks even while the attack is in progress; early detection enables the administrator to track the movements of the hacker and to discover the intent and goals of the hacker. This course assesses the various countermeasures to keep the system out of the “sights” of the hacker and to keep the hacker out of the perimeter of the target network. This course also explores the laws and the legal considerations in prosecuting computer crime.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC262>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ISSC266 Cryptography Concepts (3 semester hours)**

This course will provide an extensive overview of the field of cryptography, which includes but not limited to a historical perspective on early systems, building to the number theoretic foundations of modern day cryptosystems. Upon completion of this course students will have the ability to demonstrate a knowledge of how cryptosystems are designed, and to match cryptosystems to the needs of an application. Students will also study basic cryptanalysis and will be presented with real life breaches of common cryptosystems so that they better understand the dangers within cryptosystem design and in the design of systems that rely on cryptography. Students will also gain an understanding of the various methods of encryption and analyze the strength and weaknesses of various techniques to ensure data assets are protected and secure.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC266>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC290 Securing Databases (3 semester hours)**

This course is an introductory study of the principles, practices, procedures, and methodologies to ensure security of data at rest within databases. It appraises the convergence between database security and associated threat vectors and attack methods. It examines database types, security architecture, platform fundamentals, user administration, password management, security models, virtual private databases, and auditing models. It reviews database security processes, security configuration techniques, and auditing checklists. Course topics include: Secure Architecture, Privilege Management, and Auditing Processes.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC290>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC297 Securing Applications (3 semester hours)**

This course is an introductory study of the principles, practices, procedures, and methodologies to ensure security of data within web-based applications. It examines secure coding practices and processes, web application security configuration management techniques, and web application security standards. It appraises the convergence between web application security and associated threat vectors/attack methods. It appraises secure development processes, web application secure configuration techniques, and legal issues related to securing vital digital assets. Course topics include: Secure Configuration & Development, Vulnerability & Risk Mitigation, Vulnerability Assessments & QA Testing, and PCI DSS Compliance. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC297>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC298 Cybersecurity Capstone Portfolio (3 semester hours)**

This Capstone course provides a comprehensive overview of major components of Information Systems Security. The course explores various security-related plans and policies that demonstrate mastery of the program of study and results in a meaningful culmination of the student's learning; these plans and policies will be used to assess one's level of mastery of the stated outcomes of the degree requirements. This is a capstone course to be taken after all other Information Systems Security courses have been satisfactorily completed. (Prerequisite: Completion of a minimum of 57 hours towards the degree program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC298>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC322 Computer Systems Organization: Advanced (3 semester hours)**

This course is an advanced study of computer systems with a focus on operating systems, system administration, networking and security. Design, configuration techniques and troubleshooting skills techniques are covered utilizing a variety of hardware scenarios including: processor design, CPU architecture, number systems used in computing, storage subsystems, and memory subsystems, This course also examines the OSI model, networking, security, performance management, and capacity planning. This course covers the CompTIA A+® Certification curriculum. (Prerequisite: ISSC321)CompTIA A+® is a registered trademark of the Computing Technology Industry Association, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC322>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC323 Computer Hardware Systems (3 semester hours)**

This course is a technical study of the hardware systems and architectures in a computer system; it appraises expansion cards, storage subsystems, IO interface subsystems, operating system, Local Area Networking (LAN), Internet connectivity, and security. This course also examines the processes for analyzing problems and for synthesizing solutions related to computer hardware systems.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC323>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC325 Biometrics (3 semester hours)**

This course presents an introduction to biometrics, the study of recognizing individuals based on their unique physical or behavioral traits related to computer and information security. Authentication, authorization, identification, and access control through biometric perspective are emphasized. The course orients practical applications of biometrics in the real world, providing a realistic view of the use of biometrics within the emerging threats in information security.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC325>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC326 Cloud Computing (3 semester hours)**

This course will delve into all aspects of a Cloud Computing implementation, starting from a definition of what it actually means and assessment of whether it is suitable for a given company to the strategy alignment, implementation and operation of a working solution. It will cover Infrastructure-as-a-Service, Platform-as-a-Service, and Software-as-a-Service as the many integration and management components that are necessary to make this work together to fulfill business requirements.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC326>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC331 Legal Issues in Information Security (3 semester hours)**

This course examines information security issues and the law. The rapid growth of technology has given rise to legal issues surrounding technology. Information security is the practice of protecting information to ensure the goals of confidentiality, integrity and availability are met. Information security makes sure that accurate information is available to authorized individuals when it is needed. When governments, private organizations, and individuals do a poor job of protecting the information entrusted to them, legislatures respond with new laws. The course will examine key conflicts involving technology and the legal system to include: privacy issues, civil, criminal, and administrative law, Children's Online Privacy Protection Act (COPPA), Sarbanes Oxley, and information security governance. This course examines current literature on such topics.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC331>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC343 Wireless Networks (3 semester hours)**

This course offers a framework for learning the latest developments and trends in ad-hoc wireless and mobile communications. The course provides a complete coverage of the wireless ad-hoc networks: principles, protocols and applications. The course will look at the characteristics and operations of contemporary ad-hoc wireless network technologies. Students will study the impact of wireless transmission and user mobility with an emphasis on the design and management of ad-hoc wireless mobile systems. Students must have access to MS Visio software. Course software requirements with the appropriate versions are listed under the course materials site. This course meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical I category.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC343>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC344 Open Source System Security (3 semester hours)**

This course is an introductory study of the principles, practices, procedures, and methodologies to provide security on Linux systems. It assesses the security risks, threats and vulnerabilities related to individual and enterprise Linux environments. Course topics include: user privileges and permissions, file systems volumes and encryption and kernel security risk mitigation. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC344>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC345 Service Oriented Architecture (3 semester hours)**

This course examines the various aspects of a Service-oriented Architecture (SOA). It explores the comprehensive plan to interrelate business with technology. It displays how SOA combines the talents and skills of an entire organization, with its requisite needs and computing know-how. It focuses on the necessary tools—processes, best practices, and standards—for developing a sound SOA, Service-Oriented Modeling: Service Analysis, Design, and Architecture. It also introduces a service-oriented modeling framework that employs an agile and universal business and technology language to facilitate analysis, design, and architecture initiatives.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC345>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC351 Computer Forensics (3 semester hours)**

The explosion in the use of the Internet and the ensuing growth in cybercrime have given rise to the field of computer forensics (also called digital forensics). Digital forensics is used to assemble digital evidence to prosecute cybercrime, analyze intrusions, mitigate risk, and for data recovery. This course examines the theory, best practices, and methodologies to conduct computer forensics investigations; it includes the ethical issues, data presentation, and chain-of-evidence procedures. It also appraises current tools and technologies to analyze, acquire, and organize digital evidence. This course maps to the general objectives of the International Association of Computer Investigative Specialists (IACIS) certification. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC351>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC361 Information Assurance (3 semester hours)**

This course is a study of the discipline of Information Assurance that focuses on protecting information assets by ensuring availability, confidentiality, integrity, authenticity, and non-repudiation. This course delves into the deliberate engineering, planning and implementation of the five major areas in any enterprise: hardware, software, networks, people, and policies. This course meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical III, Management II and Management III categories.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC361>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC363 IT Security: Risk Management (3 semester hours)**

This course explores Networking Security from the perspective of risk management and confirms that assessment of IP based Network systems is critical to developing strategies to mitigate and manage risks. This course focuses on effective assessment strategies that ultimately help the student to implement effective and proactive risk mitigation measures and risk management practices. It exposes the vulnerabilities of TCP/IP; and appraises risk assessment, risk analysis, risk mitigation, risk management, networking components and Virtual Private Networks (VPN). This course examines the tools and techniques used to attack, test and assure the security of the remote information, maintenance, FTP, database, email, UNIX RPC, and IP VPN services. The student will apply this knowledge to develop an assessment methodology that identifies, attacks, and penetrates IP based network systems.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC363>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC364 IT Security: Access Control and Authentication (3 semester hours)**

This course examines a broad range of network security issues. It explores how access controls protect resources against unauthorized viewing, tampering, or destruction and serves as a primary means of ensuring privacy, confidentiality, and prevention of unauthorized access and disclosure. It focuses on access control, such as components, processes, controls, and authentication, as well as security breaches, organizational behavior and social engineering, physical security, remote access control, public key infrastructure and encryption, cryptography, testing, and information assurance. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC364>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC368 IT Security: Physical and Peripheral Defense (3 semester hours)**

The course covers physical security requirements in a network enterprise on varying levels including physical protection against internal and external threats that may impact people, property, and other data and networked assets. Students will learn how to assess and protect these assets via multiple layers of physical security.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC368>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC412 Mobile Application Security (3 semester hours)**

This course explores security strengths and weaknesses of applications on various mobile operating systems running on PDAs and mobile devices. It identifies, analyzes and explores vulnerabilities, attacks, exploits, and insecurities of mobile applications running on operating systems such as iOS, Android, Windows®, and BlackBerry® OS. What constitutes designing secure code for apps on these operating systems will also be covered. BlackBerry® is a registered trademark of BlackBerry Limited.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC412>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC415 Mobile Device Security (3 semester hours)**

This course explores security strengths and weaknesses of devices running various mobile operating systems. It identifies, analyzes and explores vulnerabilities, attacks, exploits, and insecurities of mobile applications running on operating systems such as iOS, Android, Windows, and Blackberry OS. A comparative study of current mobile devices with respect to security and privacy capabilities will be covered.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC415>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC421 Computer and Network Security (3 semester hours)**

This course allows the student to obtain the knowledge required to analyze and mitigate threats in the organizational network environment. Upon completion of this course, students will be able to demonstrate a knowledge of both computer and network security, from the wetware (human), software, and hardware perspectives. The "wetware" component will deal with identification of potential risk situations, establishing policies for avoidance, recovery, and prosecution, and proactive measures to reduce causal factors for security breaches in an organization. The "software" perspective will examine types of inappropriate software activity, as well as asset protection issues (recognizing software assets). This component will also address software tools available to assist in reducing administrative costs due to both malicious and accidental loss. The "hardware" component will address hardware approaches to protecting assets, as well as hardware techniques used to compromise assets. Specific technologies discussed include firewalls, symmetric key encryption, public key encryption, digital certificates, and cryptographic systems (SSL/TLS, VPNs, and Kerberos).

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC421>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC422 Information Security (3 semester hours)**

This course allows students to examine a broad range of computer security issues and provides the student with technical knowledge not normally addressed in traditional training. It explores the protection of proprietary information and security planning with an emphasis on networked computer vulnerabilities. It also focuses on detection (e.g. viruses, hackers, types of computer crime, computer forensic examination, etc.), as well as disaster recovery and technology law. A primary focus is put on security of systems and computer crime prevention. Also addressed is the maturing criminal population with increased computer literacy, whose tendency is to move from violent actions to more profitable computer crime. Finally, issues of privacy and freedom of information are examined. This course meets the topical requirements of the DoD Directive 8570.1M Information Assurance Management (IAM) Technical II and Management I categories. Requires CITRIX CLIENT SOFTWARE INSTALLATION FOR ONLINE VIRTUAL LABS accessibility.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC422>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC426 Cloud Security and Privacy (3 semester hours)**

This course will provide necessary guidance to build a proper audit to ensure that operational integrity and customer data protection, among other aspects, are addressed for cloud based resources. This course will serve as a cloud computing reference for auditors and IT Security Professionals. It will also provide information to assist in preparing for an audit addressing cloud computing.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC426>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC442 Wireless and Mobile Network Security (3 semester hours)**

The mobile communication market has grown so rapidly keeping up security in wireless networks has become a challenge. Maintaining secure connectivity on mobile devices as well as retaining flexibility, mobility, and resilience are critical to keeping files, data, and information secure and private. This course explores security issues surrounding mobile cellular communication technologies. Hands-on labs are also included as practical examples of wireless network security. (Prerequisite: ISSC343)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC442>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **ISSC451 Cybercrime (3 semester hours)**

The rapid change in technology and the exponential growth in the use of the Internet have resulted in an increase in the number of computer and technology related crimes. This course is designed to provide students with the foundational knowledge and technologies needed to detect, investigate, and prevent computer related crimes. Topics to be covered include: cybercrime classification (hacking, denial of service attacks, cyberstalking, cyberbullying, virus dissemination, identity theft, electronic funds transfers, phishing, spoofing, Internet fraud, access device fraud and salami attacks), vulnerability of computer systems and computer applications, computer intrusions and attacks, the impact of cybercrime (social, economic, and legal), investigation of digital evidence, computer forensics, and the prevention of cybercrime.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC451>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC452 Cybersecurity (3 semester hours)**

This course examines the practices for assuring information security. The various roles and functions within the Cybersecurity practice will be combined and leveraged to produce a secure organization. Case studies will be used to examine theories and practices drawn from real world situations. The numerous pitfalls of Cybersecurity will be presented with everyday practices of securing companies resources from attack. This course will examine the frameworks, roles, and competencies involved with information security. The fundamentals of Cybersecurity will be examined to include: network and security concepts, attacker techniques, data security, system and applications security and incident response techniques. Current literature will be examined on such topics.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC452>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC455 Digital Forensics: Investigation Procedures and Response (3 semester hours)**

This course is an introduction to Computer Forensics Investigation Procedures and Response. It provides a basic understanding of the importance of computer forensics, how to set up a secure lab, the process for forensic investigation including first responder responsibilities, how to handle various incidents and information on the various reports used by computer forensic investigators.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC455>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC456 Digital Forensics: Investigating Wireless Networks and Devices (3 semester hours)**

The growth of wireless networking technologies has given rise to many security issues. Wireless technology has become popular because of its convenience and low cost. This course pertains to the study of Computer Forensics Students will be introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. An overview of cybercrime and security will be addressed by explaining the basic security procedures and will include discussions of the various security threats that today's users face. This course will prepare students to gather all necessary information and evidence to support prosecution in a court of law. This course will examine wireless networks and devices and will discuss how to investigate wireless attacks, as well as PDA, iPod®, iPhone®, iPad®, and BlackBerry® forensics. Current literature will be examined on such topics. iPod®, iPhone® and iPad® are registered trademarks of Apple, Inc. BlackBerry® is a registered trademark of BlackBerry Limited.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC456>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC457 Digital Forensics: Investigating Network Intrusions and Cybercrime Security (3 semester hours)**

The increase in the use of the Internet and ensuing growth in cybercrime have given rise to the field of digital forensics. Students will be introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. This course examines computer related crime and abuse cases in order to gather all necessary information and evidence to support prosecution in a court of law. Collection of evidence, investigating information hiding, and intrusion response techniques will be explored. This course will examine network intrusions, network traffic, web attacks, DoS attacks and corporate espionage. Current literature will be examined on such topics.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC457>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **ISSC458 Digital Forensics: Investigating Data and Image Files (3 semester hours)**

This course is designed to expose the student to the process of detecting attacks and collecting evidence in a forensically sound manner with the intent to report crime and prevent future attacks. Learners are introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. The course provides a basic understanding of steganography, data acquisition and duplication. It examines how to recover deleted files and partitions and image file forensics.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC458>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC459 Digital Forensics: Hard Disc and Operating Systems (3 semester hours)**

This course is designed to expose the student to the process of detecting attacks and collecting evidence in a forensically sound manner with the intent to report crime and prevent future attacks. Learners are introduced to advanced techniques in computer investigation and analysis with interest in generating potential legal evidence. The course provides a basic understanding of file systems, hard disks and digital media devices. Boot processes, Windows and Linux Forensics and application of password crackers.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC459>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC461 IT Security: Countermeasures (3 semester hours)**

This course is a study of Network Security attacks and countermeasures. This course examines various security technologies, such as: intrusion detection, authentication, session hijacking, sniffing, spoofing, denial of service, buffer overflow attack, port scanning, encryption, IPSec, DES encryption, triple DES encryption, message digest 5 algorithm, point-to-point tunneling protocol (PPTP), layer 2 tunneling protocol (L2TP), Kerberos, RSA Pretty Good Privacy (PGP), Secure Shell (SSH), Secure Sockets Layer (SSL), Stateful Packet Inspection (SPI), Network Address Translation (NAT), proxies, content filters, public/private keys, Public Key Infrastructure (PKI), Virtual Private Networks (VPN), security policies, security tokens, digital certificates, viruses, worms, Trojan horses, virus scanners, virus protection, vulnerability assessment, and vulnerability scanners.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC461>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC471 IT Security: Auditing (3 semester hours)**

Security is one of the most important concerns in the world of Information Technology. This course examines the technical issues and the administrative practices to implement and manage security; in particular, this course focuses on the principles of security auditing. This course explores the various technologies and tools to assist with discovery and auditing in the world of security management. This course also assesses the audit practices, audit processes, audit plans, discovery process, discovery software, penetration strategies, identification of potential attacks, log analysis, user baseline analysis, activity analysis, risk assessment, roles and responsibilities, and the roles and responsibilities of security auditing professionals.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC471>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC473 IoT Surveillance (3 semester hours)**

As technology continues to integrate in diverse areas of our daily environment the possibility of being monitored via an Internet of Things (IoT) device drastically increases. This course will look at how technologies including medical devices, vehicles, wearable tech, and smart homes can be used as a surveillance tools.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC473>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC474 Networking Surveillance (3 semester hours)**

The course focuses on the tools and methods that are used to remotely monitor and analyze network traffic. Students will be exposed to various surveillance techniques including cellular, video, and cloud. The ability to use social media as a means to monitor individuals remotely will be addressed. Network Intrusion and Detection Systems as a mitigation method will be reviewed.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC474>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC475 Bias in Surveillance (3 semester hours)**

Digital Surveillance in conjunction with Artificial Intelligence creates innovative opportunities to increase the effectiveness of remote monitoring however there are concerns that widespread surveillance can have unforeseen consequences. This course will address potential biases of electronic monitoring including the color of surveillance phenomenon, governmental authority, and religious concerns.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC475>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC476 Surveillance Legislation and Policy (3 semester hours)**

This course examines legislative and policy areas related to surveillance and privacy. The ability for organizations and governments to remotely monitor and track individuals has given rise to legal and ethical concerns which are addressed. This course will examine how laws have had to change to account for the new possibilities of privacy violations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC476>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC477 ICS and SCADA Security Architecture (3 semester hours)**

This course provides an overview of the architecture of Industrial Control Systems (ICS) and Supervisory Control and Data Acquisition (SCADA) systems and how these system can be secured. Students will explore issues such as planning and developing an ICS/SCADA network, learn about PLC devices and their role in these systems, diagraming and ensuring secure communications and operations, and implementing security standards.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC477>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC478 SCADA Risk Management (3 semester hours)**

This course provides an overview into risk management techniques used in securing Industrial Control Systems (ICS) and Supervisory Control and Data Acquisition (SCADA) systems. Students will explore how the unique equipment in these systems affect an otherwise standard risk assessment and risk management strategy for the average enterprise network. Students will also learn the different mitigation techniques that can be implemented to mitigate the identified risks. (Prerequisite: ISSC477)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC478>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC479 SCADA Security Standards (3 semester hours)**

This course provides an overview into the security standards and policies involved in Industrial Control Systems (ICS) and Supervisory Control and Data Acquisition (SCADA) systems. Students will explore the standards laid out in federal, state, and local laws, as well as those developed by the Federal Government via the National Institute of Standards and Technology (NIST) and the Department of Homeland Security (DHS). Students will also explore other potential external authorities that may play a role in certain critical infrastructure sectors as well as various industry groups focusing on information sharing. (Prerequisite: ISSC478)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC479>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC480 Threats to SCADA Networks (3 semester hours)**

This course provides a peek into the latest threats to Industrial Control Systems (ICS) and Supervisory Control and Data Acquisition (SCADA) systems. Students will explore historical attacks against critical infrastructures across the world to develop an understanding of the challenges faced in securing these systems. Key topics such as malware threats, insider attacks, denial of service, hacker attacks, and terrorism will be reviewed. (Prerequisite: ISSC479)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC480>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC481 IT Security: Planning and Policy (3 semester hours)**

This course examines the principles of security planning and policy; it offers a holistic approach to cybersecurity for an organization. It focuses on a variety of security guidelines, policies and plans (security requirements, internal users, external users, operational costs, geography, capacity plan, growth plan, business organization, business scenarios, business factors, business processes, business functions, business products, product life cycle, technical factors, roles and responsibilities, and organizational authority). This course addresses physical security, authentication, network security, encryption, software development, email, Internet, acceptable use, acceptable speech, and viruses/worms. It also covers the need for actionable and maintainable policies and the need for periodic audits of policies and configurations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC481>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC483 Privacy and Cyberethics in Mobile and Wireless Networks (3 semester hours)**

The Internet's explosive growth and the availability of a myriad of devices that connect each of us with one another using a various mobile network technologies empowering us to great capabilities, has given rise to questioning if any limitations do exist. The manners by which we use our devices for the purposes we desire to accomplish, may also disarm us with what is still unknown to us. Concerning ethical issues, cyber governance, and cyber and privacy policies are eminent to keeping order for a chaotic realm of cyber communications. In this course you will explore some of these policies, the ethical approach and our moral duties in cyber obligations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC483>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC498 IT Security: Implementation Plan: Capstone (3 semester hours)**

This Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Information Systems Security. Students will complete various security related plans and policies that demonstrate mastery of their program of study and results in a meaningful culmination of their learning; these plans and policies will be used to assess their level of mastery of the stated outcomes of their degree requirements. This is a capstone course to be taken after all other Information Systems Security courses have been satisfactorily completed. (Prerequisite: Completion of a minimum of 106 hours towards your program including ENGL101 or ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ISSC499 Senior Seminar in Cybersecurity (3 semester hours)**

This Capstone course is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward the Bachelors of Science in Cybersecurity degree. Students will examine a number of real-world scenario cases related to various aspects of Cybersecurity to complete various cybersecurity related plans and policies that demonstrate mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. (Prerequisite: Completion of a minimum of 105 hours towards your program including ENGL101 or ENGL110)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ISSC499>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Information Technology (ITCC)

## **ITCC111 Basic Productivity Applications (3 semester hours)**

This course is a study of the concepts and technology trends essential to office productivity applications. Students will explore the principles, practices, features, and functions of the word processing application in the Microsoft Office® Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will use Microsoft Word® to create and format documents; and use lists, themes, mail merge, watermarks, templates, graphics, navigation tools, tables, charts, citations and bibliographies. Students may access MS Office 365® Suite via their MyCampus account for FREE in the classroom. Microsoft Office 365 is free to students and faculty. Microsoft Office®, Microsoft Word® and Microsoft Office 365® is a registered trademark of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITCC111>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ITCC112 Advanced Productivity Applications (3 semester hours)**

This course is a study of the concepts and technology trends essential to office productivity applications. Students will explore the principles, practices, features, and functions of the electronic spreadsheet application in the Microsoft Office® Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will use Microsoft Excel® to create and format spreadsheets; they will also manipulate data and use formulas, charts, workbooks, styles, hyperlinks, themes, functions, conditional logic, graphics, comments, and security features. Students will participate in an engaging learning experience that aligns with Microsoft's Exam. The course content maps to the Microsoft Office Specialist (MOS): to Microsoft Office Excel Certification. Students may access MS Office 365® Suite via their MyCampus account for FREE in the classroom. Microsoft Office 365 is free to students and faculty. Microsoft Office®, Microsoft Excel® and Microsoft Office 365® is a registered trademark of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITCC112>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ITCC113 Office Presentation Applications (3 semester hours)**

This course is a study of the concepts and technology trends essential to office presentation, communication and productivity applications. Students will explore the principles, practices, features, and functions of Microsoft PowerPoint®, the presentation application in the Microsoft Office® Suite. The course will be taught with a mixture of analytical methods and practical exercises. Students will use Microsoft PowerPoint to build and format presentations; and to use styles, templates, lists, tables, charts, hyperlinks, transitions, animations, graphics, multimedia, and digital signatures. They will also rehearse the timing of the presentation and prepare presentations for the Web. Students will participate in an engaging learning experience that aligns with Microsoft's Exam. Students may access MS Office 365® Suite via their MyCampus account for FREE in the classroom. Microsoft Office 365 is free to students and faculty. Microsoft PowerPoint®, Microsoft Office® and Microsoft Office 365® are registered trademarks of Microsoft Corporation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITCC113>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ITCC121 Introduction to Computer Science (3 semester hours)**

This course is an overview of computer information systems in which hardware, software, procedures, systems, and databases are explored in relation to their integration and application in business and other segments of society. Telecommunications and network concepts are introduced as a basis for understanding of the Internet and e-commerce capabilities.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITCC121>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ITCC200 Application Software Integration (3 semester hours)**

In this course, students will explore the principles, practices, features, and functions of software in the Microsoft Office® suite. The course will be taught through a mixture of analytical methods and practical exercises. Students will use Microsoft Word®, Excel®, Outlook®, and PowerPoint® to format and design documents, spreadsheets, and other related projects. Students will also design and publish advertising and marketing documents according to hypothetical and real-world scenarios. Through this course, students may acquire a more comprehensive understanding of commonly used applications and how they can be integrated with one another. Students may access the free Microsoft Office 365® suite via their MyCampus account. This software suite is available to students using both Apple® and Microsoft Windows® computers. Microsoft Word®, Microsoft Excel®, Microsoft Outlook®, Microsoft Access®, Microsoft PowerPoint®, Microsoft Office 365®, and Microsoft Windows® are registered trademarks of Microsoft Corporation. Apple® is a registered trademark of Apple, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITCC200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ITCC231 Introduction to Information Technology Writing (3 semester hours)**

This course provides a writing foundation necessary for an IT professional to identify and respond to communication needs within the IT environment, so that the professional can produce clear, concise, and appropriate IT documentation for peers and supervisors, with the ultimate goal of increasing organizational standardization and efficiency.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITCC231>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ITCC298 Computer Technology Intermediate Capstone (3 semester hours)**

This course provides a comprehensive overview of major components of computer technology. The course explores concepts, principles, and practices associated with computer hardware and software, web development, productivity applications, and programming fundamentals. This course provides an opportunity to integrate academic rigor with real-world experience; apply theory to solve real-world problems, make the learning experiential, facilitate project-based learning, and integrate knowledge and skills with practice. (Prerequisite: Completion of all other General Education Major and Elective Requirements in the Associate of Science in Computer Technology program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITCC298>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ITCC498 Computer Technology Advanced Capstone (3 semester hours)**

This capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Computer Technology. The student will complete an approved academic project that demonstrates mastery of program of study in a meaningful culmination of learning and assesses the student's level of mastery of the stated outcomes of the degree requirements. This course is to be taken after all other Computer Technology courses have been satisfactorily completed. Students must have senior standing in the program and must demonstrate that they have taken all other IT courses in their degree plan prior to registering for this course. (Prerequisite: Completion of a minimum of 111 hours towards degree program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITCC498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Information Technology (ITMG)

## **ITMG221 IT Project Management (3 semester hours)**

This course studies the planning and processes involved in an information system project. (Note: Microsoft Project® is not required for this course.) Class topics include planning, scheduling, and controlling aspects of a project during its lifecycle. Also, the course provides in-depth coverage of project management techniques such as the Project Evaluation and Review Technique (PERT), Gantt charts, and other techniques for planning, scheduling, and controlling projects. This course aligns with the knowledge required to pursue the CompTIA Project+® Certification. Microsoft Project® is a registered trademark of Microsoft Corporation. CompTIA Project+® is a registered trademark of the Computing Technology Industry Association, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITMG221>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ITMG222 IT Project Management Using MS Project® (3 semester hours)**

This course studies the concepts and technology trends of information technology project management. In this course, students explore the principles, practices, features, and functions of the Microsoft Project® application. The course will involve a combination of analytical methods and practical exercises. For instance, students will create project plans; organize tasks such as estimating, budgeting, and scheduling; and manage resource allocation. In addition, students will learn how to identify project constraints, determine a project's critical path, create Gantt charts, and establish a project baseline using Microsoft Project. For this course, students must have access to Microsoft Office Project Standard 2016 or higher. Course software requirements, including the appropriate versions, are listed under the course materials site. This software is not provided by the course material grant and must be purchased or provided by students. This course does not lead to professional certification, however, this course aligns with some of the topical requirements for the CompTIA Project+® Certification. Microsoft Project® is a registered trademark of Microsoft Corporation. CompTIA Project+® is a registered trademark of the Computing Technology Industry Association, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITMG222>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ITMG223 IT Project Management Using Microsoft Project® (3 semester hours)**

This course studies the concepts and technology trends of project management. Students will explore the principles, practices, features, and functions of the Microsoft Project® application, using a combination of analytical methods and practical exercises. In this course, students will create project plans; organize tasks such as estimating, budgeting, and scheduling; and perform and manage resource allocation. In addition, students will identify project constraints, determine a project's critical path, create Gantt charts, and establish a project baseline using Microsoft Project. Students must have access to Microsoft Office Project Standard 2016 or higher. Course software requirements, including the appropriate versions, are listed under the course materials site. This course aligns with the topical requirements for the CompTIA Project+® Certification. Students are required to purchase and use Microsoft Project® to successfully complete the course. The software is not included with the course. While the course aligns with Microsoft Office Project Standard 2016 or higher related exams, students will need additional preparation beyond the course to sit for the exam. Microsoft Project® is a registered trademark of Microsoft Corporation. CompTIA Project+® is a registered trademark of the Computing Technology Industry Association, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITMG223>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ITMG281 Law, Privacy, and Digital Data (3 semester hours)**

This course examines how laws have changed to account for the expanded realm of crimes in the digital age. Students will learn about topics such as online identity theft, sexual harassment, intellectual property rights violations, and plagiarism. In addition, students will learn how stalkers can access the digital data of victims, gain access to highly confidential medical and financial information, and sabotage their victims' reputations. This course examines current literature on topics such as the Health Insurance Portability and Accountability Act (HIPAA), the Family Educational Rights and Privacy Act (FERPA), the Children's Online Privacy Protection Act (COPPA), the Sarbanes-Oxley Act, and other legislation impacting legal disputes.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITMG281>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ITMG371 Contemporary Internet Topics (3 semester hours)**

This course explores the Internet's impact on business and personal dynamics, from a managerial perspective. A review of current literature will examine such issues as: changes in workplace productivity, legal issues arising from company Internet use policies, staff morale in the face of nearly ubiquitous Internet access, institutional liability for employee conduct while on the Internet, telecommuting, and the impact of conducting personal business during work time. Non-workplace issues such as the impact of the Internet on family life, politics and the economy will also be explored. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITMG371>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ITMG421 Virtual Management (3 semester hours)**

This course is designed to provide an overview of key individual, group, and organizational issues involved in virtual management (technology-assisted employee management). Topics covered in this class include gauging employer and employee readiness for technology-enabled communication and telecommuting; identifying appropriate job types and flexibility options; applying effective communication strategies and methods when utilizing computer video, telecommunication technologies; and implementing and evaluating management procedures and policies in flexible organizations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITMG421>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ITMG481 Ethics in Information Technology (3 semester hours)**

This course introduces students to issues and controversies that comprise the new field of Cyberethics. The course examines a wide range of ethical issues of moral responsibility towards social and ethical concerns which affect us in our daily lives. Other topics include machine ethics, conceptions of autonomy and trust, responsible innovation, ethical controversies related to ethical computing.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITMG481>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ITMG498 IT Management: Senior Seminar (3 semester hours)**

This Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Information Technology Management. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements. This is a capstone course to be taken after all other IT Management courses have been satisfactorily completed. (Prerequisites: ENGL101 or ENGL110 and completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITMG498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



# Information Technology (ITNW)

## **ITNW200 Cisco I (3 semester hours)**

Cisco I is the first of two courses introducing students to material covered in the Cisco Certified Entry Networking Technician (CCENT) certificate as well as the Cisco Certified Network Associate (CCNA® R&S) designation. Course introduces Networking Academy students to the networking field. Topics include Network terminology, Network protocols, Local-area networks (LANs), Wide-area networks (WANs), Open System Interconnection (OSI) model, Cabling, Routers, Internet Protocol (IP) addressing, and Network standards). CCNA® is a registered trademark of Cisco Technology, Inc. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITNW200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ITNW201 Cisco II (3 semester hours)**

Cisco II is the second of two courses introducing students to material covered in the Cisco Certified Entry Networking Technician (CCENT) designation and is the second of four courses leading to the Cisco Certified Network Associate (CCNA® R&S) designation. Topics include basic routing and switching concepts, Virtual LANs (VLANs), Inter-VLAN routing, static routing and dynamic routing protocols, Single-Area OSPF, Access Control Lists (ACLs), Dynamic Host Configuration Protocol (DHCP) and Network Address Translation (NAT). CCNA® is a registered trademark of Cisco Technology, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITNW201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ITNW210 Cloud Foundations (3 semester hours)**

Cloud Foundations is intended for students who seek an overall understanding of cloud computing concepts, independent of specific technical roles. It provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITNW210>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ITNW211 Cloud Architecting (3 semester hours)**

Cloud Architecting covers the fundamentals of building IT infrastructure on Amazon Web Services, or AWS. The course is designed to teach solutions architects how to optimize the use of the AWS Cloud by understanding AWS services and how these services fit into cloud-based solutions. Because architectural solutions can differ depending on industry, type of applications, and size of business, this course emphasizes best practices for the AWS Cloud, and it recommends various design patterns to help you think through the process of architecting optimal IT solutions on AWS. It also presents case studies throughout the course, which showcase how some AWS customers have designed their infrastructures, and the strategies and services that they implemented. Finally, this course also provides opportunities to build a variety of infrastructures via a guided, hands-on approach.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ITNW211>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



# Information Technology (WEBD)

## **WEBD121 Web Development Fundamentals (3 semester hours)**

This course introduces students to website development through a combination of readings and hands-on development exercises. This course covers coding with Hypertext Markup Language 5 (HTML5), website development essentials, Cascading Style Sheets (CSS), graphical elements, hyperlinks, HTML table creation, web forms, video, audio and image techniques, website development for business, and website publishing and maintenance. Fundamentals of JavaScript® programming are also introduced in this course. Students will need access to a web browser such as Microsoft Edge Firefox, or Google Chrome. Microsoft Edge, Firefox, or Google Chrome are not provided by the course material grant and must be purchased/provided by students. To succeed in this course, students will also need basic computer knowledge such as creating files and folders, downloading and uploading files, creating zipped files, and working with a text editor such as Notepad++. JavaScript® is a registered trademark of Oracle America, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=WEBD121>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **WEBD122 Introduction to Web Analytics (3 semester hours)**

This course is an introductory study of Web analytics technology and how businesses and organizations may use the technology to measure website traffic, enhance business presence, and conduct market research. The course begins with some basic introductory concepts and lays the foundation for more advanced topics regarding the subject. The course will cover both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered in the course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=WEBD122>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **WEBD221 Intermediate Web Development (3 semester hours)**

This course teaches advanced website development concepts and skills through a combination of readings and hands-on development exercises. It builds upon students' fundamental coding skills by emphasizing HTML5 structure elements, embedded video and audio elements, HTML5 APIs, cross-browser user-input forms, the use of JavaScript® to add interactive capabilities to webpages, and the use of Cascading Style Sheets (CSS3) to enhance reusability and design consistent user interfaces. The class will also introduce advanced CSS3 techniques, including 2D and 3D transformations, transitions, animations, and user interface (UI) properties. Techniques for developing webpages, optimized for mobile devices, including Responsive Web Design (RWD), are emphasized. This course covers the Advanced HTML5 and CSS3 Specialist curriculum needed to pursue the CIW Web and Mobile Design Professional certificate. Students will need access to a web browser such as Microsoft Edge or Firefox. This software is not provided by the course material grant and must be purchased/provided by students. To succeed in this course, students will also need basic computer knowledge such as creating files and folders, downloading and uploading files, creating zipped files, and working with a text editor such as Notepad++. (Prerequisite: WEBD121) JavaScript® is a registered trademark of Oracle America, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=WEBD221>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **WEBD222 Advanced Web Analytics (3 semester hours)**

This course is an advanced study of Web analytics technology and how businesses and organizations may use the technology to measure website traffic, enhance business presence, and conduct market research. The course expands on concepts introduced from the Introduction to Web analytics course and expands into more advanced topics regarding the subject. The course will cover scenario-based exercises and requires students to use free Web analytic tools to experience the maximum amount of application and retention of material covered in the course. (Prerequisite: WEBD122)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=WEBD222>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **WEBD241 Web Development Using JavaScript® (3 semester hours)**

This course expands on the topics introduced in Web Development Fundamentals (WEBD121). This course introduces students to fundamental JavaScript® programming concepts, such as variables and data, functions, program flow control (branching and iterating), the JavaScript object model (window, document, image, history, location, and navigator objects), and JavaScript language objects (String, Array, Date, and Math objects). This course also addresses the development of interactive forms with JavaScript, cookies and JavaScript security, frame control with JavaScript, and custom JavaScript object creation. This course partially covers the CIW JavaScript Specialist curriculum needed to pursue the CIW JavaScript Specialist certification. (Prerequisite: WEBD121) Students must have access to a web browser such as Microsoft Edge or Firefox. This software is not provided by the course material grant and must be purchased/provided by the student. JavaScript® is a registered trademark of Oracle America, Inc. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=WEBD241>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **WEBD300 User Interface Design (3 semester hours)**

This course presents the principles and skills for how to design effective user interfaces for websites, with an emphasis on designing for mobile technologies. This course covers the content for the Certified Internet Web (CIW®) User Interface Designer certification in the Web and Mobile Design Series. Emphasis is on how to apply key usability concepts and user analysis techniques; how to design for multiple platforms using suitable color schemes, formatting and topography; and how to collect information from customers, users, and market analysis to better address ease-of-use and to enhance website experiences for mobile users. (Prerequisite: WEBD121) CIW® is a registered trademark of Certification Partners, LLC. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=WEBD300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **WEBD311 Internet Concepts (3 semester hours)**

This course concentrates on the technical side of the Internet, examining Internet communication and technology, Web browsing, multimedia on the Web, databases and Web search engines, business e-mail and personal information management, Internet services and tools [newsgroups, telnet, File Transfer Protocol (FTP), and instant messaging], Internet security (encryption, authentication, firewalls, malware, virus detection and prevention, spyware, updates and patches), and IT project and project management. Students will need access to a browser. This software is not provided by the course material grant and must be purchased/provided by the student. This course covers the Internet Business Foundations curriculum of the CIW® Foundations certification. CIW® is a registered trademark of Certification Partners, LLC. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=WEBD311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **WEBD321 Web eCommerce Development (3 semester hours)**

This course is a study of Web e-commerce development and how businesses and organizations may use the Web to buy and sell products and services online. The course begins with some basic introductory concepts and progresses into more advanced topics regarding the subject. The course will cover both conceptual and scenario based exercises, thus enabling students to experience the maximum amount of comprehension and retention of material covered in the course. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=WEBD321>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **WEBD323 Search Engine Optimization (3 semester hours)**

This course introduces concepts and strategies for successful search engine optimization (SEO). It examines different kinds of searches including image searches, local searches, and industry-specific vertical search engines. Additional topics such as link building, site structure improvements, conversation tracking, research and development keyword strategic development, and understanding barriers of search engine optimization are addressed for the purpose of increasing a website's relevance and to determine how people search for products and services. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=WEBD323>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **WEBD341 Enterprise Data Exchange Using XML (3 semester hours)**

This course is a study of the concepts and applications of the Extensible Markup Language (XML), a general-purpose markup language that can be used to formally specify special-purpose markup languages. This course will be taught from a mixture of analytical and practical methods. Topics include: the history of XML, the XML language, Data Type Definition (DTD), XML Schema, eXtensible Style Sheet Language (XSL), and eXtensible Style Sheet Language Transformations (XSLT). The student will bind values to elements to render them distinct and different from its other instances of that attribute and explore the power of XML as a tool for Enterprise Exchange in both the J2EE and .NET Software Development Frameworks. Knowledge of XML will enable the student to standardize and reuse reference text, paragraphs, and chapters.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=WEBD341>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **WEBD343 jQuery (3 semester hours)**

This course studies the concepts and applications of jQuery using multi-browser JavaScript® language. This course will be taught from a mixture of analytical and practical methods. Topics include JavaScript, React.JS, Model View Controller architectural pattern, Angular.JS, the Document Object Model (DOM), Asynchronous JavaScript and XML (Ajax), JavaScript Object Notation (JSON), events, animations, and plugins. The student will use jQuery to conduct and apply jQuery's traversal methods, DOM manipulation, perform AJAX calls, apply popular events, write plugins, animate elements, build their own jQuery slider, and explore jQuery API documentation. (Prerequisite: WEBD221 and WEBD241) JavaScript® is a registered trademark of Oracle America, Inc.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=WEBD343>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Intelligence Studies (INTL)

## **INTL200 Introduction to Intelligence Studies (3 semester hours)**

This course provides an introduction to intelligence studies and focuses on the five principle categories in the study of strategic intelligence. In this course students will focus on the role, purpose, and history of strategic intelligence analysis. They will gain a better understanding for the use of intelligence to carry-out foreign policy objectives. Students will be engaged on topics looking at the nature and evolution of congressional oversight. In addition to this, we will look at the role of strategic intelligence collection when it comes to supporting strategic decision making, as well as the role that counterintelligence plays at the highest levels of government.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **INTL301 U.S. Intelligence Community (3 semester hours)**

RECOMMENDED AS SECOND PROGRAM COURSE. This course surveys the U.S. Intelligence Community, with an emphasis on its current structure. Students review the members of the community and distinguish their key roles and missions. Students also assess the impact of the post-9/11 restructuring of the intelligence community.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **INTL304 Intelligence Collection (3 semester hours)**

A multidisciplinary survey of Imagery Intelligence (IMINT), Signals Intelligence (SIGINT), Human Intelligence (HUMINT), and Measurement and Signature Intelligence (MASINT) is conducted. The background, capabilities, and limitations of each intelligence collection method are covered. The course focuses on planning activities which provide an integrated approach to intelligence collection.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL304>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **INTL305 Law and Ethics in Intelligence (3 semester hours)**

This course examines the legal foundations and oversight mechanisms for the US intelligence community. It also explores the major ethical problems confronting the intelligence profession. Students will investigate the difficult legal and ethical issues in the intelligence community.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL305>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **INTL401 Critical Analysis (3 semester hours)**

This course provides an introduction to critical thinking, intelligence analysis, and the use of structured methodologies. Functions associated with the processing of information to include perception, memory, and the evaluation of information are examined. Conscious and unconscious cognitive biases along with strategies to mitigate their impact are also assessed. (Prerequisite: SSGS300)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL401>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **INTL402 Intelligence Analysis (3 semester hours)**

This course builds upon the foundations of critical analysis taught in INTL 401, expanding the student's repertoire of analytical techniques. Students explore creative analysis techniques, including hypothesis generation, red-teaming, and adversarial collaboration. Students focus on intelligence as a service to decision makers, including principles of customer-focused writing and techniques for analytic problems designed to provide tactical, operational, or strategic support. (Prerequisite: SSGS300)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL402>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL408 Counterintelligence Operations (3 semester hours)**

Students in this course study and analyze counterintelligence operations focusing on activities that comprise counterintelligence functional activities, including the detection of espionage and elicitation; counterintelligence interviews/debriefings; and the collection of counterintelligence information. The student will be required to study a range of books and articles on this topic and will develop a comprehensive knowledge of counterintelligence activities and operations in order to protect U.S. national security and global interests and from adversaries.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL408>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL409 Counterintelligence Analysis (3 semester hours)**

This course provides students with an introduction to foreign counterintelligence analysis. Students will learn and apply aspects of counterintelligence basic principles, concepts, missions, and functions. Students will be instructed in the analytical process, denial and deception identification, analytical techniques, threat profiling procedures, and analytical tools and databases.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL409>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL410 Counterintelligence (3 semester hours)**

During this course, students will develop a comprehensive knowledge of counterintelligence, and how intelligence agencies, organizations, and military units in the U.S. use both offensive and defensive counterintelligence to guard and protect U.S. national security interests from foreign intelligence entities. Students will study and analyze counterintelligence, learn and discuss multi-discipline counterintelligence support to intelligence operations, counterintelligence collection process, and analyze how cultural, social, and technological changes affect counterintelligence.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL410>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL411 International Criminal Organizations (3 semester hours)**

This course differentiates historical and contemporary patterns, modus operandi, capabilities, and vulnerabilities of organized crime organizations. Course content includes a review of the contemporary literature of South American, Mexican, Asian, European, and African criminal enterprises, traditional organized crime, Outlaw motorcycle gangs and transnational criminal enterprises.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL411>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL412 Espionage/Counterespionage (3 semester hours)**

This course studies the history of intelligence and espionage and reviews ancient espionage techniques, profiles famous agents throughout history, and focuses on such intelligence issues as SIGINT and HUMINT. The bulk of the course concentrates on 20th century intelligence, assessing changes in intelligence collection and priorities and analyzing how technological changes have affected intelligence collection.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL412>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL413 Denial and Deception (3 semester hours)**

This course will be an overview of denial and deception possibilities. It will review the history, concepts, and implications of denial and deception on national security decision making. It will also discuss foreign and domestic case studies, tradecraft, and the different methodologies associated with this topic area.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL413>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL419 Applied Geospatial Intelligence (3 semester hours)**

This course is an exploration of the historical development, capabilities, and application of Geospatial Intelligence to inform decision makers in policy making, national defense, and law enforcement. The focus will be on understanding the underpinnings of this exciting and relatively new intelligence discipline. We will explore what GEOINT is, and how it is used.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL419>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL421 Signals Intelligence and Security (3 semester hours)**

This course examines the history of signals intelligence, also known by the acronym SIGINT. It covers the various methods and modes of intelligence collection by electronic means for the use of strategic and operational level communications (COMINT), and electronics (ELINT) intelligence. The course also discusses encryption and protection of electronic capabilities and countermeasures (EECM).

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL421>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL422 Open Source Collection (3 semester hours)**

This course provides an examination of how various unclassified materials, such as news services, databases, government documents, newspapers, journals, magazines, yearbooks, surveys, radio, TV, Internet, indexes, materials from various organizations, interviews, and country studies can be utilized as intelligence.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL422>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL423 Human Intelligence (3 semester hours)**

This course is an introduction to Human Intelligence (HUMINT). The course will define and examine HUMINT in context with the other intelligence collection disciplines. Students will understand the dynamics and functions of human source intelligence as a discipline through the use of focused discussion supported by directed readings and by applying critical thought to an incremental research project that requires a HUMINT solution.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL423>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL424 Interrogation (3 semester hours)**

This course examines intelligence interrogation from a conceptual perspective that provides students with the tools to develop an overall understanding of interrogation and practical interrogation concepts as they can be applied to intelligence interrogation. This course addresses legal issues, verbal and non-verbal behavior, interrogator and subjects, environmental and cultural issues, coercive practices, as well as current events as they apply to the concepts of intelligence interrogation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL424>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL431 Criminal Intelligence Analysis (3 semester hours)**

The rapid increase in multinational analysis and transnational organized crime, corporate drug trafficking organizations, and the impact of crime on national and international policy has created a critical need for law enforcement intelligence experts in the relatively new field of criminal intelligence. The course provides the student with an introduction to the methods and techniques of criminal intelligence analysis and strategic organized crime. It will demonstrate how to predict trends, weaknesses, capabilities, intentions, changes, and warnings needed to dismantle criminal organizations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL431>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL432 Geographic Information Systems I (3 semester hours)**

Geographic Information Systems (GIS) contain a powerful set of tools for data acquisition, management, query and display. This course will provide students with a substantial foundation of skills to merge both theoretical and applied information with hands-on practical training utilizing the basic tools provided with the ArcGIS Online software. Students will become familiar with GIS and with GIS software as they create ArcGIS Map projects addressing security and intelligence issues.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL432>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL433 Geographic Information Systems II (3 semester hours)**

Geographic Information Systems (GIS) contain a powerful set of tools for data acquisition, management, query and display. This course will provide students first with a substantial foundation in theory and practical use of GIS. The weekly labs provide practical training utilizing the basic tools provided with the Esri ArcMap software as applied to a national security issues. (Prerequisite: INTL432)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL433>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL434 Threat Analysis (3 semester hours)**

This course examines nation-states and the theories, characteristics, and impacts of threats to decision-making. Various historical and modern threats will be discussed throughout the course. An understanding of threats to the state and its vulnerabilities is developed through a discussion of the types of nation-states and non-state actors as well as terrorist, economic, military and emerging threats among others. This course will focus on these specific threats as well as the conditions that create them. This course provides the opportunity to examine these specific threats through analysis and research. This course is a prerequisite to any of the Intelligence Studies country analysis courses.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL434>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL440 Cyber Warfare (3 semester hours)**

This course provides an overview of cyber warfare and the potential impact of its use by military, terrorist, and criminal organizations. By studying the operation of computer networks, the student will gain an appreciation of how they have both benefited society and made portions of its infrastructure more vulnerable. An overview of cyber weaponry will be presented, and various offensive and defensive strategies will be examined via case studies. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL440>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL442 Tactical Intelligence (3 semester hours)**

This course examines the impact of terrain and weather on tactics, employment of multi-discipline intelligence collections, and principles of tactical intelligence analysis form the core of the course. Students develop an appreciation for the limits of process in applying the art of intelligence to deal with tactical problems and how tactical intelligence theory and practice are utilized in support of ground operations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL442>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL443 Foreign Intelligence Organizations (3 semester hours)**

This course introduces students to several foreign intelligence organizations that continue to play a significant role in U.S. strategic intelligence, foreign policy, and national security strategy planning. Each country's organizational structure, their collection methods, operational strengths and weaknesses will be assessed with the objective of evaluating their overall relative effectiveness.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL443>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL446 Intelligence and Narcotics (3 semester hours)**

This course surveys the role of narcotics and the illicit drug trade as risks to national security, international development, and progress. The purpose is to assess both domestic and foreign intelligence gathering and analysis, with an emphasis on counter-narcotics policies and strategies. Students will be able to critically analyze, strategically assess effective intelligence collection, and evaluate the impact of current drug interdiction efforts by federal domestic and international agencies.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL446>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL450 Terrorism and Counterterrorism (3 semester hours)**

This course examines terrorism as a social and political instrument from past to present. Topics include comparing insurgencies and terrorism, the paths to radicalization, the roots of extreme Islam, U.S. domestic terrorism issues, counter terrorism, national & domestic intelligence resources employed against terrorism, and a review of U.S. National Security Policy regarding terrorism.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL450>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **INTL451 Terrorism and U.S. National Security (3 semester hours)**

This course assesses the impact of terrorism on U.S. national security. With a focus on essential elements related to terrorism as well as on U.S. anti-terrorism and counter-terrorism policies and their challenges, the student will develop a comprehensive understanding of how the United States views terrorism and how its lasting threat affects national security.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL451>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**INTL453 Illicit Finance (3 semester hours)**

Modern criminal business, to include drug trafficking, trafficking in people or weapons, gold and precious gem smuggling, and even terrorism are reliant on how such activities are funded. Without some form of funding, illicit actors and illicit behaviors would have difficulty existing. This course will explore the shadowy world of illicit finance, from money laundering to Hawalas, to fraud, trade, and corruption used to fund illicit actions.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL453>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**INTL454 Forecasting Terrorism (3 semester hours)**

This course examines the theoretical underpinnings of the phenomenon of terrorism, actual and planned cases of chemical and biological weapons use, and the modern threat of improvised weapons of mass destruction. The course surveys traditional and newer methods of forecasting terrorism: intuition-based, profiling, conflict vulnerability analysis, and prognosis (early warning), etc. The course concludes by looking at the significant post-9/11 efforts at hardening facilities, increasing security, and monitoring terrorist-WMD activity. However, the threat is still substantial as religious-based extremists are still wholly intent on acquiring WMDs.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL454>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**INTL498 Senior Seminar in Intelligence Studies (3 semester hours)**

The Senior Seminar in Intelligence Studies is required for all majors. This capstone experience for Intelligence Studies majors will review and integrate their academic coursework, strengthen their understanding of intelligence research methodologies, and relate their academic preparation to their post-graduation goals. Students will conduct original research and present their findings to the class in written and e-portfolio formats. Prerequisite: Completion of a minimum of 106 hours towards your program.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTL498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



# Intelligence Studies (SSGS)

## **SSGS300 Research Design and Methods (3 semester hours)**

This course provides basic research methods skills for addressing problems and issues specific to the programs within the School of Security and Global Studies. The course covers four basic approaches to social research including experimentation, survey research, field research, and the use of available data. Students will gain foundational knowledge in research planning, design, methodology, data collection, and analysis. This course prepares students to carry out research at the undergraduate level.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SSGS300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SSGS490 Independent Study (3 semester hours)**

This course is an opportunity for the School of Security and Global Studies student to pursue an independent research project or examine a specific area of Security and Global Studies under the mentorship of a single professor. Participation is at the discretion of the faculty member. This course will require a major research paper of approximately 25-30 pages; there will be no examination. Students will submit a proposal prior to the start of the project, an annotated bibliography, and a final paper at week 8, all of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact their academic advisor. Once the course is open the student must complete an official online registration for the course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SSGS490>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Interdisciplinary Studies (INTD)

## **INTD310 Applied Interdisciplinary Perspectives (3 semester hours)**

An interdisciplinary perspective can help form innovative, thoughtful, and creative approaches to solve complex challenges and issues. In this course, students will analyze connections between two or more major discipline areas in order to thoroughly examine a personal or professional experience or challenge. This course will support students in examining career paths that align with their interdisciplinary coursework as they learn how to present diverse disciplinary knowledge effectively to others and prepare for their senior seminar. Students must have completed 60 credits to enroll in this course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTD310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **INTD498 Senior Seminar in Interdisciplinary Studies (3 semester hours)**

In this course, students will develop an independent interdisciplinary project showcasing their acquired knowledge, academic and research skills, writing abilities, and presentation strategies. Approved projects will demonstrate the application of prior coursework, the interdisciplinary nature of the program of study, and substantial research knowledge that demonstrates the ability to synthesize and broadly integrate subject-specific and cross-disciplinary knowledge and to connect theory and application. This course also addresses capstone work by considering students' overall academic accomplishments in light of specific personal and career goals. INTD498 is to be taken after all other Interdisciplinary Studies courses have been satisfactorily completed. A student must have SENIOR standing to register for this course. (Prerequisites: INTD310 and completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=INTD498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# International Relations (IRLS)

## **IRLS200 Information Literacy and Global Citizenship (3 semester hours)**

Information Literacy and Global Citizenship builds students' information literacy skills in the international relations/global studies context. Students analyze scholarly sources in the discipline, identifying the types of issues and questions scholars pursue, the discursive conventions they employ, and their methods of engaging in dialogue with and citing sources. After identifying their own discipline specific research question, students select and use appropriate research tools, developing complex search strategies that help them to find relevant scholarly information on their topics. They evaluate sources and information to determine their authority, reliability, timeliness as well as the quality and underlying assumptions of the arguments presented. They synthesize the information they've found with their own ideas, effectively integrating source material into their papers and citing that material appropriately. Finally, the course asks students to reflect upon the ways in which the information literacy skills they've acquired provide a foundation for both global citizenship and lifelong learning. NOTE: Students may not earn credit for both IRLS200 and previous course IRLS303. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **IRLS210 International Relations I (3 semester hours)**

An overview of the field of international and global politics. The nation state, factors of power, collective security, international trade, regional and international organization, sources of conflict and convergence are addressed.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS210>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **IRLS211 International Relations II (3 semester hours)**

This course analyzes international relations from 1945 to the present. Students will become thoroughly familiar with events and major interpretive issues. Topics include the Cold War, decolonization, the role of the United Nations and other non-governmental organizations, the development of international terrorism, the Arab-Israeli and Persian Gulf conflicts, and the Korean and Vietnam Wars. (Prerequisite: IRLS210)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS211>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **IRLS213 Political Geography (3 semester hours)**

September 11 and its aftermath, the ongoing conflicts in the Middle East and South Asia and debate over the nature and effects of globalization all highlight the importance of political geography as a means of understanding the world around us. This course examines the relationship between earth and state. World political phenomena are studied from a geographic perspective, including international boundaries, territorial seas, and landlocked states. This course emphasizes the practical application of geography to political events.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS213>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **IRLS214 American Foreign Policy (3 semester hours)**

This class examines the elements and practice of American Foreign Policy. It reviews the history of American Foreign Policy and ideology, and then examines the actors, tools and processes of US foreign policy. This class emphasizes current foreign policy issues, including policy geared toward national security.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS214>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **IRLS260 Middle Eastern Culture (3 semester hours)**

This course covers geography, culture, society, economy, and religions of the major ethnic and linguistic groups in the Middle East. The course will introduce students to important events and developments, such as the changing concepts of politics in Islam; the evolving sociological bases of states and societies in the Middle East; and the early impact of Europe on the Middle East, first through trade and then through colonialism.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS260>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS300 Comparative Political Systems (3 semester hours)**

Introduces major theoretical approaches to the comparative study of politics. The student applies these approaches to government institutions, the policy-making process, political participation, economic structures and social change for both state and non-state actors.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS301 International Organizations (3 semester hours)**

Examines the role of and interrelationship of international organizations, nation-states, and non-state actors in the global system. North-South and East-West relations are discussed in terms of specific global issues: crisis management, conflict resolution, human rights, refugee problems, international finance, developmental assistance, world trade, and globalization.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS302 International Development (3 semester hours)**

In this course, students will study the history, theories, and practices of international development. This class will guide students in understanding the complex geographic, political, economic, social, and environmental factors that contribute to international development and the interplay of those factors. Students will also analyze the role of non-governmental organizations in international development and apply their knowledge to current issues in global development.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS310 Introduction to Human Security (3 semester hours)**

This course introduces students to the international relations subfield of human security. A broad overview of the security issues affecting humans, their communities, and as a result global stability are the focus of this course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS322 African Politics (3 semester hours)**

This class provides an introduction to contemporary African politics. Specifically the course examines the historical, cultural, economic, social and geographic traits that distinguish this region and shape its domestic political processes and interstate relations. This includes a survey of contemporary multilateral issues important to the region with emphasis on regional security concerns.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS322>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS331 Asian Politics (3 semester hours)**

This course examines historical, cultural, economic, social and geographic traits that distinguish this region and shape its domestic political processes and interstate relations. This course surveys the governments of selected countries to include China, Japan and Korea. Topics will emphasize the interaction between economic development and political changes, as well as the conflict between traditional norms and modern institutions. This course includes a survey of contemporary multilateral issues important to the region with emphasis on regional security concerns.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS331>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS343 Government and Security of Russia (3 semester hours)**

Explores historic, cultural, economic, and geographic traits that characterize the Russian state and shape the domestic political processes and interstate relations. Critically compares the politics, governments and orientations of post-Soviet states and other regional powers. Surveys contemporary regional issues such as ethnic conflict, nationalism and political-economic reforms, with a particular emphasis on security concerns.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS343>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS344 European Politics (3 semester hours)**

This course focuses on comparative evaluation of Europe paying particular attention to challenges facing the continent such as migration, ethno-nationalism, and terrorism. It will also focus on opportunities for European countries to work together, including NATO, OSCE, and the EU.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS344>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS355 Latin American Politics (3 semester hours)**

This course is designed to familiarize students with the politics of contemporary Latin America. The course will cover such topics as the various types of political systems found in Latin America, the political economy of development, and the issue of regime transition.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS355>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS360 Global Politics of Islam (3 semester hours)**

The purpose of this course is to provide a comprehensive survey of the politics of Islam in the global context (both within and across states). While a portion of the class will be dedicated to the Middle East, we will also focus on parts of the globe where Muslims form a significant minority, e.g., the U.S., Western Europe, Russia, and China. This is an interdisciplinary class, meaning that we will discuss religion, history, culture, and identity in addition to politics. We will explore the implications of past and present U.S. foreign policy in the Muslim world and historical and current relations between Islam and the "West." Additionally, we will address conflicts within Islam, transnational Islamist movements such as Hizb-ut Tahrir and Al Qaeda, and the role of pan-Arab media such as Al Jazeera. This is a reading-intensive course. Students will be expected to think critically, interpret texts, and formulate their own ideas in verbal and written form.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS360>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS392 Globalization and the Market Economy (3 semester hours)**

Based on a theoretical analysis, a detailed study is undertaken of the globalization of the market system and its impact on population growth, urbanization, political governance, and traditional values in various nation-states and regions.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS392>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS400 Human Rights (3 semester hours)**

This course provides an overview of human rights, their history, codification, and the various debates that surround human rights discourse.

Additionally various human rights topics are analyzed. The course provides students with a thorough understanding of how human rights and human security are intertwined.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS400>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS402 International Law and Regimes (3 semester hours)**

This course focuses on the role that international law and international regimes play in global governance. Students will examine the international legal framework that governs state relations, including international organizations and norms, ordering principles, treaties and international regimes.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS402>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS405 National and Transnational Justice (3 semester hours)**

This course provides an overview of many transitional and transnational justice approaches. Beginning with Nuremberg through to the International Criminal Courts, students will gain a thorough understanding of the global justice endeavors and their connection to human security.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS405>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS409 Environmental Security (3 semester hours)**

This course provides an overview of environmental security by examining environmental threats such as climate change, water scarcity, consumption patterns, urbanization, resource extraction and usage, food security, and globalization. The course provides students with a thorough understanding of how environmental security and human security are intertwined.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS409>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS412 Comparative Foreign Policy (3 semester hours)**

An analysis of the foreign policy and policy-making process in various regions of the world. Specific case studies allow the student to assess national priorities and ideological commitments in the post-Cold War era.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS412>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS413 International Conflict Resolution (3 semester hours)**

This course examines the application of conflict resolution theories to interstate crises and civil wars by international organizations like the UN and NATO, states and ad hoc coalitions of states and non-government entities. The focus will be on the post-cold war conflicts.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS413>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS414 Principles of Peacekeeping (3 semester hours)**

This course is an examination of the fundamental principles behind peacekeeping, including the political, managerial, military, and humanitarian aspects of the peacekeeping process.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS414>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS415 Peacekeeping Logistics (3 semester hours)**

This course explores logistics in peacekeeping operations. Students will gain an understanding of the concepts, principles, and strategies that govern logistical support for UN and regional peace operations. Emphasis is placed on building an understanding of the role, responsibilities, and limitations facing those who manage logistics for peace operations. This includes challenges surrounding funding and rapid deployment, as well as the advantages and challenges associated with public/private partnerships and a multi-dimensional approach to peacekeeping logistics.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS415>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS417 International Civil Order (3 semester hours)**

This course explores the unique role of international civilian police in peacekeeping operations. Students will gain an understanding of the principles, strategies, operational and tactical considerations that shape the way that international civilian police establish a rule of law that is effective enough to support emerging democratic societies and build sustainable peace. Emphasis is placed on the roles, responsibilities, challenges, and risks facing international civilian police, as well as their relationships with other international actors.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS417>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS460 Government & Security in the Middle East (3 semester hours)**

Examines historic, cultural, economic, social, religious, and geographic traits that distinguish this region and shape its domestic political processes and interstate relations. Surveys the governments of selected countries, considering factors such as legitimacy and political development. Includes a survey of contemporary issues salient in the region, including the Arab-Israeli dispute, with particular focus on regional security concerns.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS460>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS463 Arab-Israeli Conflict: Contemp. Politics & Dipl. (3 semester hours)**

This course will trace the origins, evolution and development of the Arab-Israeli conflict from the early 20th century to the present. The course follows a thematic and chronological schema, drawing on a variety of sources. Considerable focus and attention will be given to the current and ongoing conflict between Israelis and Palestinians.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS463>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS468 Politics and Security in the Persian Gulf (3 semester hours)**

Politics and Security in the Persian Gulf course explores political, social, economic, and cultural issues that are relevant to the contemporary Gulf politics and security. In this context, this course also examines the impact of external powers within the region; and thus, the correlation of this impact with the rise of vulnerabilities and implications both at the regional and global levels.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS468>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS490 Independent Study: International Relations (3 semester hours)**

Individual study or research of a selected topic conducted on a tutorial basis. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact their academic advisor. Once the course is open the student must complete an official online registration for the course. (Prerequisite: IRLS210)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS490>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS491 Special Topics in International Relations (3 semester hours)**

This course allows the students to examine an emergent issue or event in this field of study. The course will be taught in a structured seminar format. Students are required to complete a research project.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS491>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS492 Senior Seminar in International Relations (3 semester hours)**

This senior capstone course allows students majoring in International Relations to analyze specific issues at the global level that would include: armaments, disarmament and proliferation; nationalism and world order; terrorism; peacekeeping; drug wars; political development and revolutionary change in less developed countries; and the organized use of force. This course will provide students with the opportunity to complete an approved academic research exercise that demonstrates knowledge of a selected field of study. This is a capstone course to be taken after all other International Relations courses have been satisfactorily completed. (Prerequisite: Completion of a minimum of 106 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS492>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **IRLS493 Capstone Middle Eastern Studies (3 semester hours)**

This senior capstone course allows students majoring in Middle Eastern Studies to analyze specific issues at the regional level including the role of religion, culture, politics, security, economic issues. This course will provide students with the opportunity to complete an approved academic research exercise that demonstrates knowledge of a selected field of study. This is a capstone course to be taken after all other Middle Eastern Studies courses have been satisfactorily completed. (Prerequisite: Completion of a minimum of 106 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=IRLS493>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Legal Studies (LSTD)

## **LSTD100 Introduction to Law for Paralegals (3 semester hours)**

This is the foundation course for the program. This course requires no previous legal background and introduces the student to the paralegal profession, the legal system, legal research, writing, and analysis, and other aspects of the law and the law office. This course will provide practical problem exercises of the type faced in an office environment; help the student develop the requisite paralegal skills; and presents a variety of the ethical issues and perspectives that paralegals face today. The overall theme is to address a broad range of paralegal topics in a contemporary law office environment.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **LSTD201 Litigation (3 semester hours)**

This course gives the students a broad overview of the litigation process and the specific role of the paralegal. This course is an introduction to and the exploration of the process related to civil litigation and the procedures normally the responsibility of the paralegal in preparing materials for trial. Coverage will include information gathering, interviewing, organizing, and preparation of materials for trial. It includes general information on the litigation process and practical exercises to help the student learn to implement the role of the paralegal, such as how to conduct an initial fact finding interview. The course will give an overview of the structure of the court system.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **LSTD202 Real Estate Law (3 semester hours)**

This course is a study of real estate law, with emphasis on those portions of real estate law that are essential to the processes and functions of the real estate purchase, administration, financing, land use regulation, financial instruments, leases, and property rights. The law of real estate has traditionally consisted of laborious manual searches to ensure good title. The internet provides real estate attorneys and legal assistants with new tools and procedures for conducting real estate transactions. This course will prepare the student for these concepts and will introduce the student to the new world of the Internet as related to real estate law.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **LSTD203 Criminal Law and Procedure for the Paralegal (3 semester hours)**

This course will examine the practical aspects of criminal law and procedure as they pertain to the work of the paralegal. The course covers the nature of criminal liability, the elements of various crimes, and defenses to criminal accusations. The course will also cover criminal procedure, from search and seizure through trial and appeal. Constitutional issues relating to search and seizure, self-incrimination and other matters are explored in depth. Students learn how to prepare relevant legal documents.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD203>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **LSTD204 Introduction to the Courts (3 semester hours)**

This course is an introduction to the structure of the American court system. Topics include prosecution, right to counsel, pretrial release, grand jury process, and sentencing concepts. The course will assess the U.S Courts System and how it relates to the criminal justice system in America. Students will become familiar with the chronological events from the arrest process to sentencing and appeals. Students will be able to explain concepts of stop and frisk arrest, searches under warrant, and presentation of the case to the magistrate. Assessments of the criminal trial process and phases of pretrial and trial proceedings will be examined.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD204>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **LSTD205 Legal Research and Writing (3 semester hours)**

This course will assess the methods used to locate necessary legal materials and be able to evaluate the appropriate citations of those materials. The paralegal aspects are reviewed and distinguished from other judicial case briefings. The course will introduce legal analysis methods and the preparation of appropriate techniques for researching legal issues and cases. Critical definitions of legal terminology are analyzed and used in preparation of legal materials such as memoranda, client letters, and other relevant documents. The course presents the student with techniques for effective writing in the legal environment.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD205>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD207 Civil Practice and Procedure (3 semester hours)**

This course is an overview of civil practice and procedure and will examine the process that courts must follow when hearing cases of a civil nature. During the course of study, students will learn how a lawsuit is commenced, what kind of service of process is required, the types of pleadings, motions, and orders allowed in civil cases, the timing and manner of depositions and discovery, the conduct of trials, the process for judgment, various available remedies, and how the courts and clerks must function. The course focuses on the legal skills involving interviewing and counseling for civil cases, the drafting of legal documents for civil cases, and legal ethics focused specifically on civil cases. Course topics include civil trial practices of pleadings, motions, discovery, pre-trial conferences, jury selection, trial protocols, and appellate strategies.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD207>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD209 Sports Law, Risk, and Regulation (3 semester hours)**

This course is a broad study and analysis of sports law and regulation. This course is rooted in the conviction that sports law is an intricate blend of contracts, regulatory schemes (including antitrust law, risk and liability concerns), and torts. Additionally, bargaining issues including unions, contract negotiation, and collective bargaining will be covered. This course will also examine risk assumption and liability as they relate to sports law. This class will also discuss relevant sports organizations (NCAA, NFL, etc.); Title X; drug testing of athletes; the role of sports agents; intellectual property issues; broadcasting law; and rules of athlete eligibility and participation. This course exposes the student to legal cases from the individual perspective of the player, coach, fan, owner, agent, and medical staff, in addition to leagues and administrative bodies, dealing with captivating subjects as varied as drug testing, gender discrimination, player violence and criminal conduct, breach of contract, player eligibility, product liability, endorsement contracts, and television broadcasting.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD209>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD210 Legal Ethics (3 semester hours)**

This undergraduate course introduces students to the ethics and professional responsibilities of the legal profession. Emphasis is given to the strict regulation of the practice of law and accompanying reasons, as well as the standard of care expected by those who work in the field. Important ethical issues, such as marketing, client relationships, fees, and communications are explored. Students will analyze the model rules and their practical applications.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD210>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD211 Introduction to Legal Technology (3 semester hours)**

Technology has changed the legal field and how professionals operate within it. Law offices need to be innovative and efficient in addressing client needs. The American legal justice system requires new technical skills and expertise from those who work within it to better serve the public's need for legal and equitable justice. This course will provide students with introductory legal technology competence about how it can be used in the court system, law offices, and throughout the duration of a legal case.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD211>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD212 Basic Contracts Law (3 semester hours)**

This course was designed for students new to contract law with no prior knowledge of contracts or how the law applies to them. This course will give students a broad overview of the elemental framework of contracts law, including an introduction to and exploration of contract formation as well as contract enforcement. Students will also gain early hands-on experience in contract drafting, and negotiating amendments and remedies. The key concepts of the course are tied together through the use of a long-running factual scenario.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD212>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD298 Sophomore Seminar in Legal Studies (3 semester hours)**

This course is a culminating course for the Associate of Science in Legal Studies degree to be taken after all other courses in the program have been satisfactorily completed. It is designed to allow the student to review, analyze, and integrate the work completed toward the degree. The student will complete an approved academic project or paper that demonstrates their grasp of the legal studies field. (Prerequisite: Sophomore standing and completion of at least 85% of other courses required in the AS in Legal Studies program.)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD298>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD300 Administrative Law and Policy (3 semester hours)**

This undergraduate course is the study of the work of administrative agencies in the executive branch of the United States government with some additional material on administrative agencies in state and local governments. Administrative law and policy touches virtually every person in the United States virtually every day of the year. It is the administrative agencies that fill in the "details" of government policy. Indeed, administrative agencies are so important and so powerful that they are frequently referred to as the "fourth branch of government." This course will examine the position that agencies occupy in our constitutional system of government by carefully detailing the respective roles of the legislative, executive and judicial branches of government. The course will be mainly concerned with administrative procedure (i.e., agency rulemaking and adjudication, agency investigations, agency sanctions) but because it is almost impossible to distinguish between substance and procedure, the procedural elements of administrative law will be illustrated and discussed in the context of a specific agency action—e.g., the Environmental Protection Agency's actions on carbon emissions and global warming. The course will analyze the work of the "independent regulatory commissions" as well as those agencies that are completely under the control of the President of the United States. Both the legislative and judicial branches of our government have a large impact on administrative law, so the actions of Congress in creating and watching over the agencies and the actions of the courts in adhering to the rule of law for agency action ("judicial review of agency action") will be vital components of the course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD301 Constitutional Law (3 semester hours)**

This course is an introduction to Constitutional Law, the Supreme Court, and other aspects of the legal system using the case analysis approach. Its concentration is on the study and analysis of United States Constitution. It emphasizes an in-depth study of the Bill of Rights, specifically those rights pertaining to Civil Liberties. Topics include: the historical events that led to the development of the Constitution; principles governing the operation of the Constitution and the role of the U.S. Supreme Court and the Judiciary; characteristics and powers of the three branches of government; development of due process and individual protections to include right to speech, freedom of religion, right to bear arms, right to vote, and right to counsel.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD302 Criminal Law (3 semester hours)**

This course familiarizes the student with the basic law, procedures and rules that govern the criminal justice system in America. It is designed to produce students who can understand, appreciate and discuss the benefits and problems with the criminal justice system in America today. The students will become conversant with the Bill of Rights, basic criminal law terminology and procedures. The course emphasizes the principles of criminal liability and the acts, mental state, and attendant circumstances that are necessary ingredients in crimes against persons or property or in offenses involving theft, fraud, drugs, morality and decency, public peace, or public justice.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD303 Family Law (3 semester hours)**

This upper level undergraduate course introduces students to the legal and procedural requirements of family law. Students will explore various legal procedures and extrajudicial methods. Topics such as marital agreements, separation, divorce, alimony, custody, adoptions, domestic violence, cohabitation, and same-sex marriages will be covered. Emphasis is placed on linking theory to practice.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD303>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD304 Military Law (3 semester hours)**

This course is designed to provide students with a solid knowledge of US Military Law through the study of the evolutionary process, politics, and motivation that has led to the current status of US Military Law. Topics include the history of military law, US Military Law, statutory basis, legal system, and basic application. It will also include an analysis of current events as related through the press, where military law is involved.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD304>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD306 International Law (3 semester hours)**

This course introduces students to the nature, development, principles, and processes of the law that applies among nations. Students will evaluate the various implications of state sovereignty as viewed through the prism of public international law. Specific topics include the sources of international law such as custom and treaty, the role of international organizations such as the United Nations, the bases of international jurisdiction, and international norms governing recognition, nationality, the global environment, protection of human rights, and the use of force. This course introduces the student to the basic principles and practices of international law and legal regimes and examines traditional and emerging topics in the field: human rights, the Law of the Sea, the Law of Armed Conflict, War Crime Tribunals, and the International Criminal Court.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD306>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD350 Victim Advocacy (3 semester hours)**

This course prepares students to provide assistance to crime victims. What a victim advocate is and their rights and responsibilities will be discussed. Students will learn how to navigate through the Criminal Justice System to include both the civil and criminal litigation process, as well as understanding the steps to help victims towards a successful recovery. The course prepares the student to work in victim advocacy arenas such as crisis hotlines, domestic violence shelters, etc. Course topics include legal terminology, legal process, legislation regarding victims-rights, effects of victimization, victim advocate skills, and crisis intervention.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD350>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD400 Criminal Legal Process (3 semester hours)**

This is a procedural law course which includes an overview of the law of arrests, search, and seizure, the making of bail, adjudication, pre- and post-trial activities and the nature of plea bargaining. Substantial emphasis is given the constitutional protections afforded through the Bill of Rights. This course examines procedures used by American police, prosecutors, and courts to bring criminal cases to trial and explores some of the defendant's rights at trial and on appeal. The course will consider the Common Law, constitutional, and statutory bases of procedural practices in American criminal law. The student will be exposed to a comprehensive overview of the processes involved in the use of criminal evidence including rules of evidence; arrests, searches, and seizures; interrogations, confessions, and non-testimonial evidence, impeachment and cross-examination of witnesses; opinion evidence; hearsay evidence; and articles and exhibits of evidence.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD400>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD401 Maritime Law (3 semester hours)**

This course is a study of the primary international and domestic laws governing navigation, naval operations, and maritime law enforcement. Students will study various aspects of the international law of the sea, maritime jurisdiction, and other laws and treaties dealing with such topics as maritime safety and security, drug trafficking, fisheries management, marine environmental protection, and piracy.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD401>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD402 Immigration Law and Policy (3 semester hours)**

This course is an introduction to immigration law and policy. Its concentration is on the study and analysis of governing immigration laws and the application of those laws to immigration practice. Current immigration policies and procedures will also be analyzed and discussed. Topics covered include: historical developments and sources of immigration law, federal agencies governing immigration law and practice, admission procedures to the U.S. to include immigrant and non-immigrant visas and citizenship, removal (commonly referred to as “deportation”) laws and procedures, and relief from removal to include asylum, cancellation of removal, and other forms of relief.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD402>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD453 Evidence (3 semester hours)**

This undergraduate course will focus on the basic legal rules governing kinds of information which can be developed and received at trial, and how evidence may be considered by the trier of fact. Students will study how policies favoring probative evidence must be weighed against policies protecting against hearsay, opinion, prejudice, time consumption, and other harmful matters. Proper examination and impeachment of witnesses will also be explored.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD453>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD454 Legal Technology: eDiscovery (3 semester hours)**

Electronic discovery (eDiscovery) is critical to the development of a case. Exactly how that electronic information is managed before and during litigation is essential. In this course, students will learn about the key ethical and legal concepts of eDiscovery, its project management, and the requirements necessary to identify, collect, preserve, manage, review, and produce electronically stored information (ESI) in the discovery process. Researching developing issues and trends in court rules and case law as well as applying that knowledge to scenarios will prepare students for real-world situations. Analysis will include spotting critical e-discovery issues and how to best resolve them. Technology Assisted Review (TAR), Electronic Discovery Reference Model (EDRM), and predictive coding will be examined. To better navigate the wealth of legal technology related issues and concepts, students will analyze federal and state case law, court rules, eDiscovery terminology, and ethical rules. Critical issues, such as the use of mobile devices, social media, metadata, computer forensics, and cloud computing in the context of discovery, trial practice, security and confidentiality, will also be examined. Special emphasis will also highlight eDiscovery-related ethical, privacy and IT security concerns. (Prerequisite: LSTD453)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD454>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD497 Senior Seminar in Legal Studies (3 semester hours)**

The Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Legal Studies. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements.

Prerequisite: Senior Standing and completion of all major courses prior to enrollment. To be taken as the last course prior to graduation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD497>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LSTD498 Practical Legal Studies Applications (3 semester hours)**

This course is a pinnacle of the Legal Studies bachelor degree program. As such, it is designed to allow students to demonstrate their ability to review, analyze and integrate their work commensurate with their status as seniors who are ready to graduate. Students will both submit a series of high quality academic research-based essays and make an audio-visual presentation to demonstrate their mastery of this program of study.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LSTD498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Literature (LITR)

## **LITR212 Forgotten America--Under Represented Cultures in American Literature (3 semester hours)**

Literature has the ability to shape the way a nation thinks and behaves; it both responds to important issues in society and (re)shapes them. For far too long, the literature of cultures on the periphery of American society have been ignored because they do not fit comfortably into mainstream culture. Yet, from voices within the Native American population to Appalachian artists to LGBTQ groups, for example, cultures on the periphery have consistently helped shape the American literary identity and have continued to influence American society long after the publication of their works. This course lends credence to the legitimacy of the contributions of these underrepresented cultures and explores the role they have in shaping American literature—past, present, and future. (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors) View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR212>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **LITR215 Literature of American Encounters, Revolution, and Rebellion (3 semester hours)**

How does a young country develop a literature of its own? From explorers to frontiersmen, follow the search for freedom and new lands through early American literature, guided by the adventuresome spirit reflected in works from the Colonies to the advent of the Civil War. How do we rationalize reports from explorers and early settlers on indigenous populations? What impact did religion have on early colonial writing and why did the focus shift to reason? How did American writing reflect and shape thought about rebellion and war? How did American women carve out space for themselves as writers of merit? This course explores these questions and more through the writing of American history and the American character, deepening our understanding of a literature that came to be defined by courage, passion, idealism, and—yes—even objection and protest. (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors) View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR215>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **LITR218 From Abolition to #MeToo: Literature of the American Civil Rights Movement (3 semester hours)**

True to its revolutionary roots, America is not just the birthplace of democracy but it is also home to the major civil rights movements of the modern era. This course is a survey of American literature related to the major civil rights movements of the last 150 years, including Abolition (Pre-1865), the Suffragettes (1860-1920), Civil Rights (1920-Present), Women's Rights (1920-present), and GLBT Liberation/ACT UP (1960-Present). LITR218 will take students on a journey through the social, political, and cultural changes that shape modern America and ask students to contemplate the connections between literature, politics, social change, and the American identity. (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors) View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR218>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **LITR222 Pivotal Figures in Early British Literature (3 semester hours)**

Join us on a journey through a thousand years of British history, beginning in an Anglo-Saxon mead hall with a couple of characters named Beowulf and Grendel and even a dragon. From there we'll go on a pilgrimage to Canterbury with the Good Wife of Bath, ride alongside Arthur's knights, sit at Queen Elizabeth's feet, get up close and personal with Satan, ride a slave-ship to the new world, debate the state of Ireland, and hear some words of wisdom from Samuel Johnson. It will be quite a ride, so hang on tight. (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors) View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR222>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **LITR225 British Literature from Wordsworth through the Wasteland (3 semester hours)**

Ready to explore the darkest places of the heart, the mind, the soul? Are you longing to "fade far away, dissolve, and quite forget" the modern world for a little while? Then, join us as we grapple with the tumultuous relationship between Catherine and Heathcliff in *Wuthering Heights* and consider Josef Conrad's harsh criticism of imperialism in *Heart of Darkness*. LITR225 delves deep into the literary periods of the Romantics, Victorians, Imperialists and Modernists. Learn how society and historical events shaped our authors, and in turn, how our authors impacted society. Come prepared to debate, analyze and share your personal insights in forum conversations and written assignments. (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors) View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR225>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LITR231 Leadership in World Literature: Antiquity to the Early Modern Period (3 semester hours)**

Humans have theorized about great philosophical questions since the dawn of time. While the values and beliefs that guided the views of ancient cultures have undoubtedly changed, it is also clear that those views continue to influence modern lives. From the ancient world through the European Renaissance, LITR231 focuses on these monumental philosophical questions using great works of art, including the major genres of epic poetry, drama, lyric verse, religious texts, and prose fiction, drawn from Classical Greece, Asia, the Middle East, Western Europe, and the Americas. Students will travel through the musings of ancient authors from foreign lands to gain an understanding of cultural practices and values and investigate any connections between the modern-day world and those who lived and wrote before the modern era. Students will explore their ideas regarding leadership, conflict, heroism, friendship, love, politics, and religion to understand how they continue to impact humanity. They will consider what “world” literature means and why the struggles, concerns, and lives of those long dead are still important today. (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR231>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LITR233 Literature of the Newly Globalized World: The Individual’s Struggle to Adapt (3 semester hours)**

How would you like to travel through time, witnessing historical global events, diverse cultures, and exciting scenery? In LITR233, Literature of the Newly Globalized World: The Individual’s Struggle to Adapt, you won’t simply read a textbook. You will travel to different continents and time periods, observing life during significant moments in modern history. Through historic fictional works, you will become part of the action, experiencing war, changing belief systems, and cultures. Not only will you understand what life was like for those in power, you will also see the world from the lens of those who have been oppressed. Come join our journey through history! (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR233>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LITR235 Four Points of the Compass: Culture and Society Around the World (3 semester hours)**

Come along on a discovery of contemporary world culture from the four points of the compass! Over the eight weeks of the course, we will travel the globe to see how artists express culture in novels, poems, drama, and film. In this way, we will take a thematic and geographic approach to explore issues that are not only particular to individual societies but also have an impact on an increasingly diverse world. Along the way, we will make stops in, among other places, Africa, South America, Asia, and the Middle East. Buckle up for an artistic and literary tour de force. (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR235>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LITR311 Monsters, Heroes, Romance, and the Human Condition Through the Centuries (3 semester hours)**

We hit the ground running with the bloodthirsty monster, Grendel, who roams the Danish countryside and cheer on the noble Beowulf who jumps in to save the day. Next, we move on to one of Chaucer’s bawdy tales and read about the pitiful competition between two lovesick knights. In Shakespeare’s “As you like it,” we witness an Elizabethan Rom-Com of tortured lovers who roll their eyes and sigh deeply. After aggressive cannibals face off against Defoe’s Robinson Crusoe, we take on Mary Shelley’s greatest creation: Frankenstein. And still there’s more! Jane Austen and George Eliot pull back the curtain on the petty machinations, weaknesses, and hypocrisy of the upper class in 19th century England while Yeats, Woolf, and Orwell ask probing questions about society, morality, and our fellow creatures. Join us in ENGL311 for a rollicking fun adventure! (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LITR315 British Poetry from Blake to the Beatles (3 semester hours)**

Don’t miss LITR315! We play the classics from Shakespeare to Sting and everything in between. In an eight-week exploration of British verse, we’ll ask the important questions: Was Chaucer a feminist? Was Satan the hero in Milton’s work? Were the otherworldly visions of Blake for real? We’ll also take a look at the conspiracy theories that rocked the poetry world. Where did the conspiracy theory of Paul McCartney’s death come from? And who was the actual recipient of Shakespeare’s sonnets? These are just some of the showstoppers we discuss in British Poetry from Blake to the Beatles. With three projects and no quizzes, don’t let this one get away! (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR315>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **LITR319 Society, Identity and Politics: Contemporary Topics in Critical Theory (3 semester hours)**

This course is a survey of contemporary critical theory from the late 20th century to the present. Theories include Contemporary Feminist Theory, Queer Theory, Postcolonial Theory, Critical Race Theory and Transgender Theory. The course combines philosophy, cultural critique, and politics to examine how different theoretical approaches can create dramatically different interpretations and analyses of a text. Theoretical premises and techniques are applied to selected works so as to understand more fully those techniques and to analyze specific texts in particular. Readings are from Judith Butler, Judith Halberstam, Michel Foucault, Riki Wilchins, Alan Freeman and others critical to the development of contemporary critical theory. (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR319>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LITR331 Gothic Literature - Nightmare Creators from Lord Byron to Anne Rice (3 semester hours)**

In *Nightmare Creators from Lord Byron to Anne Rice*, we will explore and assess a range of Gothic literary texts, covering numerous time periods, styles, and authors. The course begins by looking at the major influences of the Gothic tradition and then explores the major Gothic texts beginning in Victorian England and moving into present-day America. The readings will cover a variety of literary genres, including poetry, short stories, and the novel. Most importantly, this course will introduce students to a range of representative texts that reveal the interconnectedness of literature across time and place and show how the Gothic tradition has changed over time. This is a great class for students interested in learning about the origins of modern day horror and thriller stories, films, and TV shows. (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR331>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LITR333 Women Writers: Finding a Voice, Sharing a Vision and Establishing Identity (3 semester hours)**

Why did Louisa May Alcott feel the need to write her "blood and thunder tales" under a pseudonym? Why, in the nineteenth century, did Nathanael Hawthorne describe women writers as "a damned mob of scribbling women"? And how might we apply feminist theory to better understand the constructs and corresponding roles of gender and how that is reflected in both literature and lived experience? Find out the answers to these questions and more as we explore how women have established their voices and given authenticity to women's writing and experience throughout the course of literary history. (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR333>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LITR335 Exploring Relationships through Folk Narrative (3 semester hours)**

Ogres, giants, elves, talking animals, brave heroes, magic, curses, prophecies, ghosts, otherworld adventures, quests, sex, taboo, tricksters, and monsters! What doesn't folklore contain? Often considered tales suitable for bedtime or teaching lessons to young children, folklore allows us to contemplate the psyche, analyze cultural ideals, and make connections across vast societies. In this course, we'll discover how folklore offers a safe space in which to examine our own personalities, provides a context through which to view social issues, and continues to inspire modern storytellers. Get ready to talk to animals about love, resist temptations set by lovers, and engage in a quest to better understand the world! (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR335>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LITR336 The Imaginary Real: Magical Realism in Latin American Literature (3 semester hours)**

In this course featuring literature from the Spanish-speaking countries of Latin America, students will be introduced to key writers of this genre. Starting with the first magical realism works in the 1920s and spanning a century of literary narrative, this course emphasizes the Latin American Boom writers of the 1960s and '70s, who transformed this literary style into a distinctly Latin American phenomenon. Students will be asked to consider magic and realism concepts in key literary works by Jorge Luis Borges, Julio Cortázar, Alejo Carpentier, Juan Rulfo, Gabriel García Márquez, Isabel Allende, Laura Esquivel, and other literary giants. Students will also be challenged to think critically about prominent themes to better understand the evolving character and identity of Latin America.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR336>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LITR338 Voices Calling for Identity: Spanish-American Literature from the 19th Century (3 semester hours)**

This course offers a study of major writers from Central and South America and the literary movements from the Nineteenth-Century to the present. It challenges students to think critically about issues of race, class, gender, culture and identity in order to understand the evolving character and identity of Latin America through representative literary texts. (Pre-requisite: Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR338>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LITR339 Flowers Bloom in the Desert: Literature of the Middle East (3 semester hours)**

Without realizing it, you have been exposed to Middle Eastern Literature for most of your life. One of the first important texts in history, The Epic of Gilgamesh, so influenced the ancient world that parts of it are found in the Bible and other major works from before the time of Christ. The Middle East is known as the “cradle of civilization,” and true to its history, the region today continues to capture the attention of the world. Stories adapted from thousand+ year old texts, like Aladdin, for example, have earned billions of dollars at the box office and introduced wider audiences to the stories of the Middle East. The literature that comes from the region, both then and now, is filled with passion and power and is a testament to the region’s relevance throughout history. Our course will begin with essential texts and continue through newer works that show the cultural challenges to be found in today’s complex environment. (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR339>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LITR350 America’s Genre: The Art and Genius of the Short Story (3 semester hours)**

American writers are credited with the creation of the short story and have defined the genre for the world. From Nathaniel Hawthorne’s first published collection in 1837, America’s short stories have explored topics such as witches and demon worship, mysterious murders and insanity, tall tales from the Wild West, love and loss, and the ethics that reflect the cultural identity of Americans. Through a variety of short stories, students will examine the components that embody this original and compressed art form and uncover the ingenuity behind this precise and difficult genre of fiction. (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR350>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LITR354 American Poetry from Bradstreet to Bukowski (3 semester hours)**

To the rich oral tradition of Native Americans, new European arrivals added their own lyrics and sense of morality in a Neoclassic style. Not long after, the Romantics rejected this rational view of the world and instead explored emotions: love, obsession, fear, patriotism, and more. Later, in a country torn apart by fighting, Realists voiced their despair in poetry as the nation attempted to recover from the Civil War, and not long after that, the Modernists struggled with finding an identity in a new world shaped by World War I, economic depression, and modernization. Finally, Postmodernists and contemporary poets rejected everything and nothing; to them, anything was possible, and an explosion of new voices, experiences, and ideas emerged. Explore all these American movements—and more—in American Poetry! (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR354>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **LITR357 The Past is Always Tense: Contemporary African-American Literature (3 semester hours)**

This course explores the emergence of a distinctly Black modernist and post-modernist literary discourse in fiction, poetry, drama, and criticism published from the middle of the twentieth century to the present, often in response to and in conversation with contemporaneous Anglo-American literary movements and trends. We will investigate African American writers’ engagement with the “Wright School of Social Protest”; the evolution of the Black Arts/Black Aesthetic Movements of the 1960s and 1970s; the emergence of Black feminist literature, criticism, and theory in the 1970s and 1980s; and the so-called “third renaissance” of the 1990s and 2000s. (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR357>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



**LITR403 The Work and Life of Ernest Hemingway (3 semester hours)**

"Writing is something that you can never do as well as it can be done," said Ernest Hemingway, and he did it better than most. Through his adventurous life and authentic work, he became a larger-than-life cultural icon of his time and one of the most influential writers of the 20th century. Through his work, this course examines the genesis and influences that made Hemingway the writer we know, the writer that was selected for the sort of quality and precision that defined his writing and earned the respect and recognition of the Nobel Committee for his "powerful, style-making mastery of the art of modern narration." (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors) View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR403>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**LITR408 Mark Twain: The Voice of American Literature (3 semester hours)**

Mark Twain's works are filled with danger and adventure, rollicking humor, biting satire, and memorable characters that wrestle with universal and timeless issues. In his writing, he asks us to consider what it means to be human, and in Mark Twain's characters, we often see and hear parts of ourselves which helps us hone in on our own humanity. Through social satire and a wicked irreverent sense of humor, his works became timeless; while he lived, he was known as "the funniest man on earth." But Mark Twain also used his distinct voice to expose the problems and issues that faced society often by highlighting the quirks of its members. LITR408 examines Twain's literary genius and the man behind the genius who unflinchingly proclaimed, "I am not an American. I am the American." (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors) View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR408>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**LITR410 All of the World's a Stage: Differences in the Dramatic World of Shakespeare (3 semester hours)**

In All the World's a Stage: Defining Differences in the Dramatic World of Shakespeare, we'll discuss life. Specifically, we'll look at life and love, politics and ambition, evil and violence, wit and laughter, racial divisions, battles between the sexes, and misery and happiness as it unfolds in the plays and poetry of the Bard. (Pre-requisite: ENGL210 for English majors, or ENGL101 or ENGL110 for non-English majors) View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=LITR410>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Management (HRMT)

## **HRMT101 Human Relations Communication (3 semester hours)**

This course provides students with communication strategies from the behavioral sciences designed to establish positive relationships with individuals and groups in the modern workplace. Through readings, critical thinking exercises, problem-solving scenarios, written assignments, and case studies, students develop the human relations skills required to interact effectively with people at work. Communication skills and practices pertinent to ethical relationships with members of line management, co-workers, direct reports, customers, and the public are examined. Also, interpersonal and organizational applications associated with group/team functions, multicultural and multigenerational relationships, leadership, mentoring, and customer satisfaction are presented to assist students with the timely identification and resolution of communication issues and challenges.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HRMT200 Human Resource Fundamentals (3 semester hours)**

This introductory course focuses on the concepts and methods of managing human capital in an organization. Students will have the opportunity to explore human resource fundamentals by discussing practices in the selection, training, job analysis, evaluation, wage setting, incentive principles, merit rating, job efficiency, and labor/employee relations of human resources as applied to various types of organizations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HRMT201 Employee Training and Development (3 semester hours)**

In the emerging global economy, only those organizations dedicated to continuous learning are expected to grow and thrive. This course is an examination of individual and organizational strategies designed to stimulate creative approaches to learning in organizations. Students will have the opportunity to outline individual development plans from an organizational and personal perspective. Theoretical foundations and practical issues involved in employee training and development in business organizations are explored.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HRMT202 Interviewing Fundamentals (3 semester hours)**

In today's workforce, being qualified is not enough. Most applicants are qualified, but they may not be the right fit for the culture. Interviewing has become a crucial process in organizations, and the outcome can determine the next path for many people. Therefore, it is important to spend time preparing for the actual interview meeting. This course will provide a comprehensive study on skill sets that interviewees should display to be the chosen candidate. Topics include communication and interpersonal skills, critical thinking and problem-solving skills, time and project management techniques, and managing change with a positive attitude and self-confidence. Emphasis will be placed on clear concise written and spoken communication regarding business correspondence and oral presentations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HRMT300 Negotiation I (3 semester hours)**

This course provides a comprehensive overview of negotiation and distributive bargaining. It expands on the strategies of negotiation such as value claiming, value creation, mutual adjustments, ethics, and conflict management. Students will develop knowledge and skills and apply the characteristics of negotiation and distributive bargaining techniques to build relationships, establish agreements, and solve problems in real-world scenarios.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **HRMT301 Negotiation II (3 semester hours)**

This course provides a specialized focus on negotiation. It expands on the techniques of perception, cognition, emotion, communication, power, relationships, teams, and cross-cultural concepts, principles, and theories in negotiation. Students will develop knowledge and skills and apply best practices in negotiation to build relationships, establish agreements, and solve problems in real-world scenarios. (Prerequisite: HRMT300)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HRMT340 Foundations of Diversity and Inclusion in the Workplace (3 semester hours)**

With today's evolving workforce, managers and leaders need to understand and embrace differences in the workplace in order to reap the benefits of diversity. In this course, students learn the dynamic nature of diversity and inclusion in order to utilize the potential of diversity for greater performance and innovation. Students learn to differentiate ethnocentric and ethno-relative mindsets. In a final project, students will recommend strategies to incorporate diversity and inclusion initiatives in an organization.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HRMT407 Human Resource Management (3 semester hours)**

This course provides an overview of concepts, skills, theories and techniques involving human resource management (i.e. recruitment and selection, training and development, performance appraisals, reward systems, and benefit programs). Students will have the opportunity to review scenarios involving innovative HR practices in the workplace.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT407>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HRMT411 Dispute Resolution (3 semester hours)**

This course focuses on the principles, practices, and processes of dispute and conflict resolution. The course draws on interdisciplinary materials from social science, decision theory, management/labor relations, law, and others. Course curriculum incorporates a review of non-binding dispute resolution strategies such as negotiation and mediation, binding strategies including arbitration, and psychological challenges to overcoming conflict such as cognitive perception biases.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT411>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HRMT412 Compensation and Benefits (3 semester hours)**

This course establishes a foundation for the art of compensation and benefit practices. Students will examine the context of compensation and benefit practices, the criteria used to compensate employees, compensation system design issues, employee benefits, and contemporary challenges that compensation and benefits professionals will face given the current economic times.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT412>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HRMT413 Employment and Labor Relations (3 semester hours)**

This course will explore the historical evolution and current state of employment relations theory. Workplace democracy, the source of workplace conflict, alienation, the evolution of class, collective bargaining, and other issues are discussed from a variety of perspectives. Students will become familiar with terminology and practices such as employee-employer relationships in non-unionized and unionized settings; problems and theories of union organizing, collective bargaining, and contract administration.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT413>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HRMT415 Human Resource Management Information Systems (3 semester hours)**

This course provides a basic overview of various automated information systems that are available to support today's human resource departments. Students will have the opportunity to explore online, offline, and hybrid HR software applications as well as other automated processes. Additional topics include HR analytics, systems security, individual privacy, legal implications and streamlined interview process.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT415>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **HRMT416 Human Resource Development (3 semester hours)**

Training and development is no longer an option for organizations – continuous learning has become an essential requirement for those companies that wish to sustain market share and compete successfully in the marketplace. This course provides a comprehensive overview of the training and development function and is applicable to all organizations and jobs. Training methods, theories, research findings, and issues regarding training, employee development, and the career management function in organizations will be explored.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT416>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**HRMT419 Recruitment and Staffing (3 semester hours)**

Hiring a new employee can be costly, and the cost becomes greater with the selection of an individual who is not a good fit. Therefore, the talent management and development functions spend quality time developing strategic plans to address the organization's recruitment, selection, and retention initiatives. This course examines external and internal staffing processes and practices needed for a successful search. Students will explore the various techniques/methods for determining whether individuals possess the knowledge, skills and abilities required by the organization.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT419>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**HRMT427 International Human Resource Management (3 semester hours)**

This course explores the importance of human resource management in the context of the global marketplace, including topics on culture, compensation and benefits, managing expatriates, global labor markets, managing diverse teams, and the legal and regulatory considerations that global organizations face. This course will help you identify differences in operating domestically versus globally, and adapt human resource practices successfully in foreign markets.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT427>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**HRMT430 Performance Management (3 semester hours)**

This course examines how to measure and develop individual and group performance. Students will have the opportunity to design performance management systems in an effort to align employee performance with an organization's strategic objectives. There will be an exploration of methods, theories and issues regarding workforce expectations and performance.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT430>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**HRMT440 Managing Diversity and Inclusion Initiatives (3 semester hours)**

Students will learn tactics to improve the work environment so that all employees feel included, supported, and valued. Students will learn effective approaches to biases and conflict related to diversity. In a course project, students will recommend inclusion strategies to maximize employee performance, creativity, and innovation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=HRMT440>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Management (MGMT)

## **MGMT100 Human Relations (3 semester hours)**

This course is designed to provide the student with a basic foundation of positive communication strategies among individuals in today's business settings. Students will accomplish a variety of assignments that promote critical thinking and problem solving, and will develop basic human relations skills essential to function effectively in a modern business environment. Students will be presented with communication concepts associated with interpersonal relationships, including individual differences, group/team activities, cultural relations, leadership, mentoring, customer satisfaction and ethics. Communication concepts from assigned reading will be stressed, and this knowledge will then be applied in the analysis of case studies, scenarios, and problem-solving exercises to develop interpersonal skills that can be used in actual work situations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MGMT101 Principles of Supervision (3 semester hours)**

Supervisors are the first line of leadership. This course provides an overview of supervision in the workplace. Students will explore concepts and skills on how supervisors can improve their skill set for their scope of responsibilities (i.e. goal setting, problem-solving, staffing, conflict management and development of employees).

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MGMT200 Ethics Fundamentals (3 semester hours)**

How can we help employees do the right thing? Ethical behavior in organizations is a topic that warrants exploration. The purpose of this course is to investigate some of the ethical issues facing the modern workplace. Topics include acceptable risk, intellectual property, workers' rights, whistle-blowing, moral leadership, outsourcing, and ethical issues in marketing. Students will be asked to reflect and examine how one comes to terms with being a good citizen and preventing unethical business practices.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MGMT201 Organizational Fundamentals (3 semester hours)**

Students taking this course should not take RTMG150. This course is designed to provide students with an overview of the challenges that arise for managers in organizational settings and to provide an introduction to the concepts and theories that can be useful in facilitating organizational effectiveness. Students will have the opportunity to review and critique the latest research on obstacles facing the modern workplace, motivation of employees, organizational justice, and implementing the best systems, processes and procedures for efficient workflow.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MGMT296 Capstone: Portfolio (3 semester hours)**

This MGMT296, A.A. in Management Capstone: Portfolio, course is the final course in the Associates Program. This course will prepare students to reflect on their academic experience by compiling and revising artifacts from previous courses in the program into an organized e-portfolio. The e-portfolio will reflect the student's educational growth from entry in the associates program. In addition, the student will develop the skills necessary to successfully transition to and navigate post-graduate life as well as understand the civic and social responsibilities of being educated citizens. Finally students will be given the resources to connect with APU/AMU in an ongoing relationship.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT296>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MGMT310 Principles and Theory of Management (3 semester hours)**

This course introduces the concepts, theories, and principles of management. Students will have the opportunity to explore the aspects (i.e. planning, organizing, staffing, directing, and controlling) of the management process. Classical and contemporary management theories that operate in today's business will be discussed.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MGMT311 Organizational Behavior (3 semester hours)**

Successful organizations strive to hire the best talent and seek innovative strategies on how to retain them. Leaders attempt to create an environment that is appealing by soliciting feedback on what motivates them to stay. This course examines the field of organizational behavior and the various research strategies in areas such as personality, motivation, values, stress, leadership skills, power bases, and communication. It is designed to explore the attitudes and behavior of leaders and employees. The course examines decision-making and risk management techniques incorporating accounting and financial concepts.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MGMT312 Leadership & Motivation (3 semester hours)**

This course is designed to provide students with a solid foundation about leaders, the leadership process, and motivation. Topics include the theories of leadership and motivation, leadership power, leader behavior, leadership characteristics, the role of gender, substitutes for leadership, and dysfunctional leadership. MGMT312 serves as a self-assessment of the student's leadership and motivation skills, knowledge, and attitudes and addresses the questions: Who am I as a leader? What are my most distinguishing leadership traits? What leadership style am I most comfortable being around? How do I influence others, and how do I motivate others?

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT312>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MGMT313 Organizational Change (3 semester hours)**

The realities of organizational change affect every individual, every business, and every government. Change and transformation are constants in today's global and technical environment. This course explores theories and concepts which explain how to gain acceptance and buy-in for change management initiatives within organizations. If management and employees accept these changes, the impact will be beneficial and less disruptive to daily operations. Whether the change is as small as the implementation of a new financial system or as big as a plant move across the country, the implementation process necessitates planning and communication to ensure success.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT313>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MGMT314 Management Ethics (3 semester hours)**

With all of the cases regarding corruption, scandals and unethical behavior in businesses, how does one do the right thing? This course explores the moral and ethical responsibilities of managers and their direct reports. Topics of discussion include organizational justice, human resource practices (i.e. employee selection, salary administration, employee relations), and corporate/social responsibility.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT314>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MGMT315 Management Communications (3 semester hours)**

Effective communication is necessary at all levels of an organization, and executives are concerned that employees lack this skill set. The focus of this course is the exploration of theories and techniques utilized in achieving efficient external and internal communication processes and practices within and among businesses. These processes and practices include communication around operations, legal, marketing, budgets, costs, and earnings. Students will be encouraged to apply their analytical, creative, and critical thinking skills in developing and presenting potential solutions to managerial problems.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT315>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MGMT316 Paving Your Career Path (3 semester hours)**

This course provides students with information and knowledge for career decision-making. Students will explore the job search process, and develop professional skills to stand out during the recruitment stages or to advance in a career. Students will learn the various forms of resumes as well as how to construct an effective resume for their field. Students will also learn how to leverage networking and gain insight to finding job leads.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT316>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MGMT331 Leading Yourself Foundations (3 semester hours)**

This course provides the critical elements of analytical and intellectual examination and reflection of certain core issues in the practice of leadership. The purpose of the course is to gain a better understanding of leadership from multiple angles and perspectives. Students will explore the different ways leadership has been defined and studied; similarities and contradictions among current leadership theories and the way leadership has been exercised in business, military, and political contexts.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT331>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MGMT332 Leading Others Leadership Counseling (3 semester hours)**

The world of work has changed, and new models of leadership are being employed to motivate and empower employees. Successful leaders can connect with their followers, and the relationship begins with the leader's ability to meet subordinates where they are and take them to new levels. This process can be achieved through effective counseling/mentoring/coaching. The course will address techniques employed in promoting confidence, healthy work relationships, and mental stability. Some of the topics discussed include active listening, conflict resolution, motivation and inspiration, constructive feedback, and mapping a course for behavioral change.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT332>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MGMT393 Special Topics in Management (3 semester hours)**

Special Topics courses in Management involve timely, unique, or emerging content not contained in the regular course offerings of the program. The purpose of offering this Special Topics course is to teach content that is responsive to industry needs, launch a course quickly to help students gain leading-edge skills, and provide flexibility within the curriculum. The specific topic of this course is determined by the School of Business and will change based on trends in the industry. February and May 2023 - Special Topics in Management: Leading Remote Teams  
Leading Remote Teams: Students will learn how to effectively management and lead a remote team of workers. Students in this course will discover the skills needed for the role of remote team managers as well as tactics for productive remote team development, collaboration, and communication. This course explores technologies used for remote team work and task assignment.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT393>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MGMT410 Strategic Management (3 semester hours)**

In today's business environment, executives have challenging and costly corporate decisions to make regarding globalization and organizational expansion. This course focuses on concepts and approaches that shape organizational strategic decision making by examining internal and external factors and influences. Students will have the opportunity to analyze case studies and participate in discussions on how best to select competitive strategies and analyze competitive advantages. Students discover the importance of strategic marketing and leveraging internet, marketing, and e-business capabilities toward a competitive advantage.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT410>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MGMT414 Strategic Planning (3 semester hours)**

This course focuses on the principles utilized in the formulation and execution of an organization's strategic plan as it relates to maintaining a competitive advantage. The integration of an organization's mission, stakeholder objectives, vision, and core values is emphasized.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT414>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MGMT490 Independent Study: Management (3 semester hours)**

Independent study enables a student to pursue an academic topic in a field of special interest on a previously approved topic under the supervision of a faculty member and resulting in an academic, practical and/or artistic product. Students are required to prepare a draft proposal of project, and submit to the Program Director, Management for approval prior to registering for the course. Once approval has been obtained, advising department is notified so that student can register for course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT490>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**MGMT495 Senior Seminar in Management (3 semester hours)**

This end-of-program course is designed to allow students to create a final project or paper by integrating the knowledge obtained throughout their program of study. (Prerequisite: Completion of a minimum of 105 hours towards the program).

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT495>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**MGMT496 Capstone: Portfolio (3 semester hours)**

This capstone course is the final class in the management and human resource management programs for the B.A. in management. This course prepares students to reflect on their academic experience by compiling and revising work from previous courses into an organized e-portfolio. The e-portfolio will reflect the student's educational growth from the initial entry to the final stage of the bachelor's program. In addition, students will develop the skills necessary to successfully transition to and navigate post-graduate life, and they will understand the civic and social responsibilities of being educated citizens. Finally, students will be given the resources to connect with APUS in an ongoing relationship.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MGMT496>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



# Marketing (MKTG)

## **MKTG201 Fundamentals of Marketing (3 semester hours)**

This course is a comprehensive survey of marketing activities and the function of marketing. The course will familiarize the student with the scope, terminology, and procedures of marketing. Course topics include the analysis of markets, competition, consumer behavior, and the assessment of product, price, distribution, and promotion strategies. Consumer motivation and the diffusion and adoption of new goods and services are studied. The student will complete a marketing plan of their own.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MKTG201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MKTG301 Principles of Sales (3 semester hours)**

This course explores the principles of selling in various situations encountered in interpersonal interactions. Effective and ineffective sales methods for both person-to-person and group selling are studied in order to increase the understanding of the sales process.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MKTG301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MKTG304 Public Relations (3 semester hours)**

This course is an introduction to public relations, covering strategies and tactics used by public relations professionals. The course emphasizes theory and skills needed to perform in the professional arena, including an introduction to research-based public relations campaigns. A major focus of the course for the student is a “walk through” of a public relations campaign that uses a checklist approach.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MKTG304>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MKTG305 Advertising (3 semester hours)**

This course is a study and analysis of advertising's role in marketing operations. Course topics will include such areas as the integration of advertising into sales promotion, event marketing, direct response, and other varied support strategies.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MKTG305>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MKTG307 Consumer Behavior (3 semester hours)**

This course explores consumer behavior from determining consumer needs and wants, the process by which they are satisfied, and the environment in which the behavior occurs. The objectives of the course are to introduce the student to concepts developed in psychology, economics, and sociology and their relationship to consumer behavior, to involve the student directly in the study and analysis of consumer behavior, and to develop in students the ability to translate what can be learned into marketing action implications.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MKTG307>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MKTG308 Social Media Marketing (3 semester hours)**

This course presents the use of online social networking as a marketing strategy designed to increase customer loyalty and lead conversion. Through the study of social media sites, students evaluate contemporary and emerging tools in the digital marketplace.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MKTG308>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MKTG310 Digital Marketing (3 semester hours)**

This course is a study of marketing activities in the digital age. The course will familiarize the student with digital marketing approaches using the internet and other forms of new media. Course topics include online advertising, social media, online listening and monitoring, and search engine optimization. The student will learn how digital marketing strategies fit into the overall marketing plan and how to measure the effectiveness of these efforts.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MKTG310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MKTG400 Marketing Research (3 semester hours)**

This course is a study of the conduct of marketing research to provide information to be used in the decision making process. Course topics include problem definition and solution in a marketing context, data collection methods, sampling, research design, statistical techniques in the analysis of market research information, and survey planning.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MKTG400>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MKTG401 Marketing Strategy (3 semester hours)**

This course presents the analytical and decision-making processes involved in formulating, implementing, and controlling a strategic marketing program for a given product-market entry. It includes discussions of customer, competitor, and environmental analysis; market segmentation and targeting; competitive positioning; implementation; and control. Because the course assumes that the student is already familiar with many of the concepts and analytical tools relevant to these topics, it goes beyond a simple review of definitions and procedures to examine strategic implications. The course also explores how marketing interacts with other levels of strategy and with other functional departments within an organization.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MKTG401>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MKTG403 Marketing Management (3 semester hours)**

This course is a study of the marketing process from a macro and management viewpoint. Topics may include the role of marketing in a society, management of a marketing staff, and the product, distribution, promotional, and pricing decisions.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MKTG403>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MKTG407 International Marketing (3 semester hours)**

This course is designed to develop marketing decision skills in the global context. The course focuses on international marketing theory and practice from the point of view of the marketing manager and the requirements of a business in the international marketplace. The emphasis is on the application of tools and methods of international marketing practices. This course builds on skills developed in previous course work and assignments by integrating these with the issues and concepts of international marketing. Consequently it is highly recommended that students take MKTG300 prior to registering for this course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MKTG407>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MKTG420 Branding (3 semester hours)**

This course introduces students to understanding the need to differentiate products and services. The course explores how branding can have an impact on purchasing decisions. Students learn branding methods to transcend industries and techniques to use branding as an asset.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MKTG420>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MKTG425 Integrated Marketing Communications (3 semester hours)**

This course provides a sound understanding of an integrated approach toward the marketing communications mix. The course assesses the impact of globalization of markets on marketing communications and provides an understanding of the cultural, legal, and lifestyle of various cultures. This is an advanced writing course providing practice in producing marketing content for print, broadcast, online, and public relations media. Commonalities and differences among writing formats, mechanics, and approaches of each medium are addressed.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MKTG425>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MKTG495 Senior Seminar in Marketing (3 semester hours)**

This course is a capstone course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Marketing. The student will complete an approved academic project or paper that demonstrates mastery of marketing principles, concepts, and study. This is a capstone course to be taken after all other Marketing courses have been satisfactorily completed. (Prerequisite: Completion of a minimum of 105 hours towards your program).

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MKTG495>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Mathematics (MATH)

## **MATH100 Pre-Algebra (3 semester hours)**

This course introduces concepts of beginning algebra including the solving of basic algebraic equations that involve integers, fractions, decimals and percents. It also introduces the concepts of polynomials and the graphing of two variable equations. Emphasis is on the fundamentals of beginning algebra to ease the transition into college-level mathematics courses. This course is followed by MATH101, which will introduce intermediate algebra concepts that incorporate the skills covered in MATH100.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MATH101 Introduction to College Algebra (3 semester hours)**

This course is an introduction to college algebra and is organized into six distinct parts, beginning with a review of basic mathematics skills. It then addresses the language of algebra, the definition, uses, and methods of solving equations and inequalities, exponents and polynomials, factoring, and rational expressions. Practical applications are emphasized throughout the course. This course does not fulfill the mathematics General Education Requirements, but it can be used as elective credit.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MATH110 College Algebra (3 semester hours)**

This course will encompass the basic concepts involved in graphing points and linear equations and the solution and graphing of inequalities and systems of linear equations. The course will also concentrate on the manipulation and use of exponential expressions and radicals and the solution of quadratic equations and their applications. Practical applications will be provided throughout the course. There is careful attention to the presentation of concepts that will become important in the study of analytic geometry, trigonometry, and calculus.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH110>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MATH111 College Trigonometry (3 semester hours)**

This course in college trigonometry synthesizes topics from college algebra courses and is designed to extend students' knowledge of trigonometry. It covers a variety of mathematical concepts and techniques that are important to students planning to continue into more advanced math and math-related classes. The course concentrates on various trigonometric functions, identities, and equations as well as the practical application of trigonometry to real-life situations. The final part of the course includes polar coordinates and vectors. While there are no prerequisites for MATH111, it is very highly recommended that students complete MATH110 College Algebra or an equivalent college-level course prior to taking this course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH111>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MATH112 Pre-Calculus (3 semester hours)**

This is a course to prepare students for Calculus. It synthesizes topics from college algebra and trigonometry (courses such as MATH110 College Algebra and MATH111 Trigonometry). It also goes into greater depth with concepts that will be crucial when taking Calculus. These mathematical concepts and techniques are important to those continuing into more advanced math and math-related classes. Practical applications are provided throughout the course. The course assumes the student is completely comfortable with the language of algebra, equations and inequalities, polynomials, factoring, and rational expressions. If a lower-level math course has not been completed recently, we recommend that students take MATH100 Pre-Algebra or MATH101 Introduction to College Algebra.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH112>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH120 Introduction to Statistics (3 semester hours)**

This is an introductory statistics course designed to help students achieve a basic understanding of the statistical methods available to analyze and solve the wide variety of problems encountered in the workplace. This course is designed for students who seek an understanding of descriptive and inferential statistical methods. The emphasis of the course will be on the proper use and interpretation of statistical techniques. MATH120 is the recommended mathematics general education course for students who will be required to take additional statistics courses such as MATH302 Statistics as part of their program of study.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH120>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH125 Math for Liberal Arts Majors (3 semester hours)**

THIS COURSE DOES NOT FULFILL MATH PREREQUISITE REQUIREMENTS IN SCIENCE PROGRAMS. STUDENTS IN AS OR BS PROGRAMS OR IN PROGRAMS THAT REQUIRE MATH302 SHOULD TAKE MATH110 OR HIGHER AS THEIR MATH GEN ED UNLESS CLEARED WITH ACADEMIC ADVISOR FIRST. This course examines various mathematical concepts and problem solving techniques and provides mathematical functional literacy for those majoring in non-technical subject areas such as intelligence, military history, economics, and management. Students will learn how to solve a wide variety of problems from such areas as: mathematical thinking; logic; number theory and real numbers; introduction to algebraic equations, inequalities, and problem solving; functions and graphs; geometry; mathematical systems and matrices; sophisticated counting techniques; consumer math; and an introduction to probability and statistics. This course is principally a problem-solving course where students learn how to solve a wide variety of mathematical problems, rather than a conceptual course where problem solving is not emphasized.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH125>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH200 Analytic Geometry (3 semester hours)**

This course introduces students to the concepts of analytic geometry. Some of the most important applications in physical sciences will be presented; however, emphasis is on the fundamentals of analytic geometry as a foundation for the study of calculus. Students may use this course for higher level prerequisite mathematics requirements. Topics include: plane analytic geometry; vectors in the plane; equations of lines, circles, and conic sections; transformation of coordinates; curve sketching of polynomial and rational functions; polar coordinates; parametric equations; and three dimensional vectors. (Prerequisite: MATH111 or equivalent)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH210 Discrete Mathematics (3 semester hours)**

This course introduces students to the fundamental concepts of discrete mathematics. The course provides a foundation for the development of many computer related concepts and more advanced mathematical concepts found in electrical engineering or computer science courses. Important applications in the computer science and engineering disciplines will be presented. Topics include: fundamentals (basic tools for discrete math); logic; methods of proof; graphs and sets; functions; relations and equivalences; recursive relations; polynomial sequences; induction; combinatorics; counting; and probability. (Prerequisites: MATH110, MATH111, or MATH225)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH210>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH220 Linear Algebra (3 semester hours)**

This course presents vectors, matrices, determinants, eigenvalues, and eigenvectors; and how these concepts may be used and applied. The emphasis of the course will be on understanding the concepts and methods of linear algebra, as well as solving problems and understanding how linear algebra is used in real world applications. (Prerequisite: MATH225)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH220>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH225 Calculus (3 semester hours)**

This course begins with a study of limits and continuity, which leads into the study of derivatives. Students will be taught to find the derivative of many functions using a variety of methods, including power rule, product rule, and chain rule. Students will then learn how to tackle several different applications of derivatives, including optimization, curve sketching, approximations, and related rates. Finally, students will be introduced to integration and how it can be used to determine areas. (Prerequisite: MATH111, MATH112, or an equivalent course)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH225>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH226 Calculus II (3 semester hours)**

This course builds on the concepts introduced in Calculus I and will expand students' ability to integrate more functions using a variety of techniques, including substitution, integration by parts, and trigonometric substitutions. These skills are then used to find the area between curves, the volume of shapes created by rotating area, arc length, and surface area. The course also introduces sequences and series and includes several methods for determining when the series and sequences converge. (Prerequisite: MATH225)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH226>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH227 Calculus III (3 semester hours)**

This course is designed to extend calculus concepts to functions with more than two variables. Students will perform vector calculations encompassing operations such as the dot product and cross product. They will also use these skills in several applications, including arc length and motion. Students will then apply their calculus skills to multivariable equations to find the partial derivatives and double and triple integrals. Finally, they will apply their vector skills to vector calculus and work with vector fields, line integrals, and surface integrals. (Prerequisite: MATH226)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH227>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH239 Data Analysis and Presentation (3 semester hours)**

This applied course introduces students to a variety of techniques for organizing, analyzing and presenting large data sets. Topics to be covered include descriptive statistics with graphics and sample estimation. Emphasis is placed on real-world applications such as those found in the social and physical sciences. Students will become familiar with statistical software packages. (Prerequisite: MATH220)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH239>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH240 Differential Equations (3 semester hours)**

MATH240 is introduction to differential equations. It is designed to introduce students to the basic concepts and techniques of differential equations. The course covers the standard materials addressed in the first semester of college differential equations to include: first and second order differential equations, Laplace transforms and differential equations with variable coefficients. Problems have been selected to illustrate the applications of these techniques across a wide range of areas of science, technology, and economics. It is essential for engineering, science, and economics. Increasingly, applications in business management and related fields also employ the calculus. (Prerequisite: MATH227 or equivalent)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH240>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH302 Statistics (3 semester hours)**

This is an interactive course designed to help students achieve a greater understanding of the statistical methods and models available to analyze and solve the wide variety of problems encountered in business, science, medicine, education, the social sciences, and other disciplines. Successful completion of this course will provide students with a working knowledge of the principles of both descriptive and inferential statistics, probability, averages and variations, normal probability distributions, sampling distributions, confidence intervals, statistical hypothesis tests, and correlation and regression analyses. The emphasis of the course will be on the proper use of statistical techniques and their application in real life -- not on mathematical proofs. This course will use Microsoft Excel for some of the work. Students should have a basic familiarity with Excel and have access to this software application. MATH120 is the recommended mathematics general education course for students who will be required to take additional statistics courses such as MATH302 Statistics as part of their program of study. (Prerequisites: MATH110, MATH111, MATH120, or MATH225)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH303 Probability and Statistics for Engineers and Scientists (3 semester hours)**

This course in statistics is designed to provide students with a more in-depth understanding of statistics than MATH302. Topics covered include: the principles and applications of descriptive and inferential statistics, probability, common distributions and hypothesis testing. Regression and correlation will also be considered (Prerequisite: MATH225)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH303>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH305 Real Analysis (3 semester hours)**

This course provides a theoretical foundation for single-variable calculus concepts and introduces higher level abstraction of these concepts. Topics include the structure of the real numbers, sequences, continuity, and metric spaces. This course will be run as a seminar that emphasizes mathematical constructs of real analysis and proof writing. (Prerequisites: MATH227, MATH240, and MATH320)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH305>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH320 Mathematical Modeling (3 semester hours)**

This course introduces students to the fundamental concepts of math modeling. It integrates the student's previous experiences with mathematical concepts to provide a variety of practical methods to solve problems. The course covers mathematical concepts such as graphs, inequalities, slopes, linear regression, matrices, operations and applications of matrices, linear programming, sets, Venn diagrams, permutations, combinations, binomial theorem, and an introduction to logic. (Prerequisite: MATH220)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH325 Linear Regression I (3 semester hours)**

Linear regression models are widely used in business administration, economics, engineering, and the social, health, and biological sciences. Successful applications of these models require a sound understanding of both the underlying theory and the practical problems that are encountered in using the models in real-life situations. In this first course in linear regression students will be exposed to some of the fundamental tools of linear regression. The emphasis will be on using and interpreting linear models. In addition to analyzing given linear models, students will analyze data and create linear regression models as a means to assess and evaluate the extent to which individual or sets of predictor variables influence a particular response. Furthermore, students will use models to forecast outcomes associated with various response variables. Applications from a number of different areas will be examined. (Prerequisites: MATH220 and MATH302)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH325>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH328 Probability Theory with Applications (3 semester hours)**

This course introduces students to the basic concepts and applications of probability theory. An understanding of probability theory is essential to statistics, which is the fundamental basis of how all research is done, from science to medicine to business, marketing, and governmental politics. Probability theory is also essential to such disciplines as mathematics, finance, artificial intelligence, and even legalized gambling (such as state lotteries). Examples of applications problems from these areas are included in the course, with a focus on understanding the concepts and methods of probability theory, as well as solving problems taken from real world applications. (Prerequisite: MATH226)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH328>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH330 Linear Optimization (3 semester hours)**

This course examines various linear optimization concepts and problem solving techniques commonly found in manufacturing, transportation, and military operations. The goal of optimization is to find the best possible solution to a problem given a number of constraints. The emphasis of this course is problem solving. This course includes the construction and analysis of real world problems and the application of various linear optimization techniques to find an optimal solution. An optimization software package will also be presented and used to solve problems. This course covers a wide range of linear optimization techniques. Topics include linear programming; the simplex algorithm and goal programming; sensitivity analysis and duality; problems in transportation and transshipment; network models; and integer programming. (Prerequisite: MATH220)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH330>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH340 Multivariate Statistics (3 semester hours)**

This course will introduce to students analysis of categorical data, log linear models for two- and higher-dimensional contingency tables, and logistic regression models. Also, students will analyze aspects of multivariate analysis to include random vectors, random sampling, multivariate normal distribution, inferences about the mean vector and MANOVA. (Prerequisites: MATH328 and MATH302)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **MATH360 Mathematics History and Development (3 semester hours)**

This course will introduce students to the historical development of the disciplines of mathematics. Within the discipline of mathematics, we will examine the development of numbers and number systems, geometry and measurement, algebra, probability and statistics, calculus, and discrete mathematics. Throughout this course, students will study the history of mathematics and mathematics education through readings, case studies, and problem sets. (Prerequisite: MATH320)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH360>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH375 Inventory Models and Systems (3 semester hours)**

This course introduces students to the basic concepts and application of inventory management, its theory and practice. An understanding of the inventory management theory is essential to operations management, production planning and scheduling, and global supply and demand chain management. Inventory management is the heart of operations management in any industry. On upstream, it will dictate policies and procedures for procurement and material management. Its impact on downstream, especially in meeting the required service level, is a determinant factor in high service level which greatly impacts marketing and financial departments. In this course, we introduce quantitative methods of optimal inventory management in the context of operations management, forecasting, BOM, MPS, and ERP.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH375>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH410 Design of Experiments (3 semester hours)**

This course is delivered online and is organized into distinct parts. This course will begin with Design of Experiments (DOE) methodology and statistical inference. The design of single factor, factorial, nested and nested factorial experiments will be taught. Quantitative and qualitative factors will be introduced to simulate real situations that are encountered in operations being explored. Students will learn how to set up and solve fixed, random, and mixed models with two or more factors. Practical applications are provided throughout the course. (Prerequisite: MATH340)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH410>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH412 Graph Theory (3 semester hours)**

This course studies set theory, counting techniques such as permutations, combinations, generating functions, partitions and recurrence relations, Polya's theorem, Hamiltonian and Euclidian properties of graphs, matchings, trees, coloring problems and planarity. (Prerequisite: MATH305)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH412>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH415 Operational Simulation (3 semester hours)**

This course examines various mathematical concepts and problem solving techniques and introduces discrete system simulation, Monte Carlo methods, discrete event modeling techniques, programming considerations, statistical definitions and concepts, random number generation, and output analysis. This will be a problem-solving course which will emphasize tools that can be used during the analysis phase of real world problems. (Prerequisites: MATH330 and MATH375)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH415>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH418 Topology (3 semester hours)**

Topics include definition of a topology, closed sets, relativizations, base and sub-bases of a topology, compact topological spaces, separation axioms, normal spaces, regular spaces, metric spaces, continuous mappings, product spaces, and function spaces. (Prerequisite: MATH305)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH418>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH420 Game Theory and Decision Models (3 semester hours)**

"A Beautiful Mind" is a movie that helped popularize game theory. It is a biographical film about the life of John Nash who is known for his work in game theory. "Game theory is the study of mathematical models of conflict and cooperation between intelligent and rational decision makers." This course examines game theories and their applications commonly found in economics, business, political science, and law and how to model games to make informed decisions. Topics include dominance solutions, Nash equilibrium, backward induction, subgame perfect equilibrium, repeated games, dynamic games, Bayes-Nash equilibrium, mechanism design, auction theory, and signaling. (Prerequisites: MATH410 and MATH415) View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH420>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH460 Principles of Applied Mathematics (3 semester hours)**

The process of expressing scientific principles, experiments, and conjectures in mathematical terms. Topics include: gathering reliable data, exposing underlying assumptions, variables, relationships, levels, refining of models, and stochastic models. Deterministic versus stochastic models. (Prerequisite: MATH305)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH460>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH470 Measurement Theory (3 semester hours)**

This course covers the study of basic topics in analysis with emphasis on methods and measurement. Sequences, series, functions, uniform convergence, continuity, partial differentiation, extreme value problems with constraints, Riemann integrals, line integrals, improper integrals, integrals with parameters, transformations. (Prerequisite: MATH305)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH470>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MATH499 Senior Seminar in Mathematics (3 semester hours)**

The Capstone course is a senior level course designed to allow the student to review, analyze, and integrate the work the student has completed toward a degree in Mathematics. Students will examine a number of real-world case studies; prepare an approved academic project or paper; and demonstrate mastery of their program of study in a meaningful culmination of their learning. Students must demonstrate that they have taken all other math courses in their degree plan prior to registering for this course. (Prerequisite: Completion of a minimum of 105 hours towards your program) View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MATH499>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



# Military History (MILH)

## **MILH201 Introduction to Military History (3 semester hours)**

This course is a survey of the changing patterns of warfare within Western civilization, to include analyses of principal military thinkers and the evolving relationship among Western societies, warfare, and their military institutions.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MILH202 Survey of American Military History (3 semester hours)**

This course is a study of the American military institution from the colonial period to the current environment in the 21st century. Students will examine military traditions and employment of forces during war and peace as well as the relationships between the military and society. Recommended prerequisites are two lower level survey courses in U.S. or World History.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MILH221 War From Antiquity to 1700 (3 semester hours)**

This course is a survey and discussion of warfighting during ancient times through to the beginning of the 17th century with emphasis on technological advances in the military arts and sciences and their short-term and long-term effects on strategy and tactics.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH221>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MILH222 War from 1700 to the Present (3 semester hours)**

This course is a survey and discussion of warfighting from end of the 17th century until now, to include military arts and science as well as combined arms employment. Emphasizes the innovations and changes in strategy, tactics, organization and technology engendered by the decisions of the great captains of each age.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH222>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MILH303 Readings in Military Leadership (3 semester hours)**

This course is a study of military leadership of ancient to present day commanders through selected readings. Emphasis will be on the burden of command and the various solutions that military leaders employed in the prosecution of war. Ancient and modern leadership will be examined, but the primary focus will be on the modern era. (Prerequisites: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH303>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MILH304 Readings in Military Philosophy (3 semester hours)**

This course is a study of basic concepts in military strategy and tactics viewed through the prism of the selected readings from well-known military philosophers. Both ancient and modern philosophers will be studied. (Prerequisite: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH304>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **MILH320 The American Revolution (3 semester hours)**

This course examines the American Revolution from its antecedents to its legacy. The events leading to the revolt and the Declaration of Independence; the strategy and tactics of the war emphasizing the land campaigns; and the aftermath of war on the new Nation. (Prerequisite: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MILH355 World War I (3 semester hours)**

This course analyzes World War I, from the political unrest in Europe in 1914 and the outbreak of war to the Armistice in November 1918 to the treaty of Versailles in 1919 and the official end of the war. Global in scope, the themes highlight the origins of the conflict, Entente and Central Powers strategies, plus the major military campaigns, power diplomacy, life on the home front and America's entry and effect to the Entente (Allied) war effort her entry had on the outcome of the conflict. (Prerequisite: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH355>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MILH360 World War II (3 semester hours)**

This course is a global examination of the Second World War with an emphasis on the origins of the conflict, Axis and Allied strategies, major military campaigns, great power diplomacy, life on the home front, and the Holocaust. The experience of combat, social and political changes that resulted from the conflict and the scientific consequences of the war will be continual themes addressed by the course material. (Prerequisite: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH360>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MILH362 Ancient Military History (3 semester hours)**

This course is a comprehensive survey of ancient and classical warfare (prehistory to c. AD 500) in Western Civilization from the origins of warfare in the Paleolithic period to the decline and fall of the Western Roman Empire in the fifth century. The millennia under study in this course were a dynamic period in warfare, full of important discoveries and innovations in martial technologies, strategy, organization and combined-arms tactics, fortification, siege craft, and naval warfare. Students will read and analyze a wide variety of sources on ancient and classical warfare in Mesopotamia and the Near East (Sumerian, Akkadian, Babylonian, Hittite, Assyrian and Persian), Egypt (Old, Middle and New Kingdom), Greece (Mycenaean, Archaic, Hellenic and Hellenistic) and Rome (Republican and Imperial) in order to develop an appreciation of the important contributions of these civilizations to the continuity of warfighting in the Western world. (Prerequisite: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH362>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MILH363 17th and 18th Century Military History (3 semester hours)**

This course covers the history of warfare from the Spanish Armada in 1588 to the dawn of the French Revolutionary wars in the 1790s. The 17th and 18th centuries were an era in world history abound in continuous warfare. The militaries of Europe in particular were still primarily composed of mercenaries, politically and often militarily unreliable. Warfare in this era was not confined to the plains of Europe; the world's oceans also played host to their own form of combat. The 17th and 18th centuries at sea began with Great Britain on the verge of invasion from the Spanish Armada to Great Britain becoming the unquestioned master of the ocean. Thus, the 17th and 18th centuries began in an aura of indecisiveness and closed awash in the destruction of "world" war. The evolution of warfare from the inconclusive to the decisive battle is explored in depth. (Prerequisite: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH363>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MILH364 Medieval Military History (3 semester hours)**

This course is a comprehensive study of European post-classical warfare from the decline and fall of the Western Roman Empire in the fifth century to the integration of reliable gunpowder technologies at the beginning of the sixteenth century (c. 450 to c. 1500 AD). Students will read and analyze a wide variety of sources on medieval warfare in order to develop an appreciation of the important contributions of the European Middle Ages to the continuity of warfighting in Western civilization. Contrary to popular belief, the millennium under study in this course was a dynamic period in warfare, full of important rediscoveries and innovations in fortification, siegecraft and combined-arms technology, organization and tactics, all of which allowed Europe to become the preeminent military power in the period after 1500 AD. (Prerequisite: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH364>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MILH365 The Napoleonic Wars and the Long Peace (3 semester hours)**

This course examines the theory and practice of warfare in Europe from 1785 to 1870. It will emphasize the rise of Napoleon as a military leader, as a practitioner of the operational art, but will also examine his political, economic and legal impact on Europe as a whole. This course will focus on the wars of the French Revolution, Napoleon's northern Italian campaigns, his expedition to Egypt, his battles while leading the Grand Army at Austerlitz and Jena, and his march to Moscow where he led the largest army in European history to date. It will also cover the 1813 and 1814 campaigns, the reactions of Napoleon's enemies to his innovations in warfare, and his final defeat at Waterloo. The course then looks at the status of Europe in 1815 and the conditions which set the terms for the "Long Peace". The course ends prior to the start of the wars of 1870 and the lessons learned. (Prerequisite: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH365>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MILH370 The Korean War (3 semester hours)**

This course provides a history of the Korean War from pre-hostilities to post-ceasefire. The course mainly concentrates on the U.S. and South Korean conflict against North Korean and Chinese forces, but other UN participants are covered throughout the course. All three levels of conflict, from tactical to strategic are discussed. The increase in technology, the usage of modern weapons, POWs, and the continued presence of U.S. forces in the Republic of South Korea are also covered. (Prerequisite: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH370>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MILH371 The Vietnam War (3 semester hours)**

This course examines the origins of the conflict in Indochina, American intervention and commitment, the ground wars, Vietnamization, trouble at home, the US withdrawal, and the war's effect on American society. (Prerequisite: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH371>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MILH422 History of Peacekeeping: 1988-Present (3 semester hours)**

This course examines the strategy, operations, evolution, and functions of United Nations and regional peacekeeping operations (PKO) from the end of the Cold War to the present. Emphasis is on the significance of individual peacekeeping missions, including their background, functioning, military operations, and end result. While the United Nations peacekeeping operations are studied in detail, other forms of peacekeeping are presented as well.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH422>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **MILH480 Special Topic: Military History (3 semester hours)**

This course is a one-time offering on an area of special interest and may be applied to fulfill major course requirements or electives. A student may appeal to take this course twice, if the subject matter is different enough to merit separate credit. WINTER 2016 SPECIAL TOPIC - MEDAL OF HONOR: Students will learn about the story behind the Medal of Honor and the significance of the design of the Medal. Students will also learn how Confederates were honored with a Roll of Honor. They will learn that the Medal of Honor Legion was founded in 1890 to protect the Medal from abuse. They will learn that 911 Medals of Honor were revoked in 1917 after all the Medals to date were reviewed, including those of the only woman and the 27th Maine, and will learn if any of these Medals were restored later. They will also learn about modern Medal of Honor recipients. Summer I 2020 Topic China's military tradition stretches back to the 22nd century BCE, and includes some of the most famous works on military history. Through the examination of current scholarship and translated texts, this course will explore pertinent questions such as: How viable is the dynastic cycle in understanding Chinese history? What were the major military theories that guided leaders? Is there a distinctive "oriental" or nonwestern way of war? How did the military interact with society, particularly with Confucian historians? How did China react to the West and Western technology? What role did technology and technological change take in the development of Chinese military practices? What are the potential threats, and strategy of a modern Chinese military?.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH480>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**MILH490 Independent Study: History (3 semester hours)**

An opportunity for Military History students to pursue an independent research project or examine a specific area of history under the mentorship of a single professor. Course is open to Military History majors only. The course will typically involve a major research paper; there will be no examination. Students will submit a proposal prior to the start of the project, and a rough draft of the paper, both of which will count toward the final grade. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact their academic advisor. Once the course is open the student must complete an official online registration for the course. (Prerequisite: HIST300/HS334 for History and Military History majors only)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH490>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**MILH498 Senior Seminar in Military History (3 semester hours)**

The Senior Seminar in Military History is designed to integrate the student's past work in their major field of study and to review as well as strengthen their understanding of their focus area in military history. After a review of the student's academic experience, the student and professor will design a course of study to complete the student's preparation for research and writing a major paper in their field of interest. This is a capstone course to be taken after all other Military History courses have been satisfactorily completed. (Prerequisite: HIST491 and completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=MILH498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Military Studies (MILS)

# Nursing (NURS)

## **NURS159 Fundamentals, Adult, and Childbearing Family Nursing Transition Course (6 semester hours)**

This course prepares the Licensed Practical Nurse, Paramedic, Army Medic, Air Force Technician, and Navy Corpsman to enter a community college associate degree nursing program with advanced standing. The role of the nurse in the delivery of safe and effective care to individuals across the life span is addressed with an emphasis on adults and childbearing families. The nursing process and critical thinking guide the provision of patient-centered care. Advocacy through effective verbal and written communication with patients, families, and other members of the healthcare team facilitates the achievement of desired patient outcomes. Emphasis is placed on the role of evidence-based practice in the delivery of optimal health care. THIS IS A RESTRICTED COURSE THAT REQUIRES APPROVAL FROM OUR NURSING PROGRAM.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=NURS159>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **NURS161 Fundamentals and Adult Nursing Transition Course (6 semester hours)**

This course prepares the Licensed Practical Nurse, Paramedic, Army Medic, Air Force Medical Technician, and Navy Corpsman to enter a community college associate degree nursing program with advanced standing. The role of the nurse in the delivery of safe and effective care to individuals across the life span is addressed with an emphasis on adults. The nursing process and critical thinking guide the provision of patient-centered care. Advocacy through effective verbal and written communication with patients, families, and other members of the healthcare team facilitates the achievement of desired patient outcomes. Emphasis is placed on the role of evidence-based practice in the delivery of optimal health care. THIS IS A RESTRICTED COURSE THAT REQUIRES APPROVAL FROM OUR NURSING PROGRAM.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=NURS161>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **NURS300 Professional Transitions in Nursing (3 semester hours)**

This course is only open to students admitted and enrolled in the RN to Bachelor of Science Nursing Program. In this course, students examine the role of the baccalaureate-prepared Registered Nurse as a leader and change agent in diverse practice settings. Students determine the impact and effectiveness of informatics, cultures of safety, levels of professionalism and ethics in their healthcare settings. Students will conduct a self-assessment of professionalism, identify areas for growth and write a Professional Development Plan. Principles of critical thinking and scholarly writing are applied throughout the course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=NURS300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **NURS310 Assessment, Evaluation and Clinical Decision-Making (3 semester hours)**

This course explores assessment of the individual and families across the lifespan with a focus on culturally diverse, vulnerable populations. The concepts of genetics, health maintenance/health promotion, and cultural competence will guide the student to develop plans of care focused on clinical prevention. Students will cultivate professional assessment skills by completing a health interview, a health risk assessment and a discharge teaching plan. All evidence-based plans of care reflect an understanding of the relationship between assessed risk factors and genetic predisposition toward illness with the goal of achieving quality patient outcomes. (Prerequisite: NURS300)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=NURS310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **NURS315 Pathophysiology and Clinical Pharmacology (3 semester hours)**

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This course explores the connections between pharmacological interventions and pathophysiology across the life span. The study of genetics/genomics, culture, and integrative health provides a theoretical context for the delivery of patient-centered care. An understanding of the dynamic relationship between comorbidities and medication interactions facilitates the development of an individual plan of care. An analysis of human responses to pharmacological interventions will be explored through case studies, evidence-based research, and group projects. (Prerequisite: NURS300)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=NURS315>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **NURS340 Science of Evidence-Based Practice (3 semester hours)**

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This course reviews evidence-based practice, the history of this movement, and the challenges to implementation in the practice setting. Students will further develop their skills with efficiently finding, reading, and comprehending published research and determine applicability to clinical practice. Students continue to explore means to assess, monitor, and develop cultures of safety in their own organizations and will become familiar with several national safety initiatives. (Prerequisites: NURS300 and MATH120)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=NURS340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **NURS350 Transformational Leadership and Cultures of Safety (3 semester hours)**

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. It includes a 20 hour practice experience in leadership with a nurse leader in a care setting. This course builds on assessments related to professionalism, culture of safety, nursing ethics and effective use of healthcare technology completed in previous courses with an emphasis on leading change in complex organizational healthcare systems. Students integrate and apply this knowledge to improve quality and build cultures of safety in their workplaces. It is recommended that students select a nurse leader for this assignment prior to the course start. (Prerequisite: NURS300)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=NURS350>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **NURS400 Emerging Scholarship and Trends in Healthcare (3 semester hours)**

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. Students explore the rapid evolution of current nursing practice and examine historical and contemporary issues germane to their practice. Students examine changes in technology and its impact on access, cost, quality, and knowledge development. Global health and nursing workforce issues are evaluated and discussed.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=NURS400>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **NURS401 Caring for Today's Veterans (3 semester hours)**

This course addresses the unique healthcare issues facing today's veterans. Emphasis is on physical and psychosocial needs of veterans and the delivery of patient/family centered care. Post-traumatic stress disorder, traumatic brain injury, and other health issues of veterans will be explored through evidence-based literature and research. Students will examine the veteran culture, identify health risks, analyze health issues and trends in healthcare systems, and explore best practices.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=NURS401>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **NURS421 Community Health I (3 semester hours)**

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. In this course, the student will focus on the community as client with an emphasis on specific vulnerable populations and related topics, such as substance abuse, mental illness, domestic violence, women's and men's issues, and environmental health. The student will gain knowledge of underserved populations as well as how communities are affected by cultural diversity and natural and man-made disasters. Clinical experiences will allow for the implementation of a teaching project for a designated vulnerable population. (Prerequisite: NURS300)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=NURS421>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **NURS425 Informatics and Technology in Healthcare (3 semester hours)**

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN). This course explores the role of healthcare technologies in the provision of safe and high quality, patient-centered nursing care. The use of informatics to improve the health of individuals and the delivery of healthcare services will also be examined with an emphasis on patient privacy and confidentiality in the digital age. (Prerequisite: NURS300)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=NURS425>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**NURS498 Senior Seminar in Nursing Studies (3 semester hours)**

This course is only open to students who are enrolled in the RN to Bachelor of Science in Nursing (RN to BSN) program. This course is organized around individual student research papers and project development and serves as a capstone and culminating experience where students integrate knowledge and apply professional skills to improve the quality of health in the workplace. Students prepare formal written and poster presentations of the project. A final evaluation of progress toward meeting goals is completed. (Prerequisite: NURS300, NURS310, NURS315, NURS340, and NURS350.) NOTE: Students must earn a grade of B or higher to pass this course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=NURS498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



# Philosophy (PHIL)

## **PHIL101 Introduction to Philosophy (3 semester hours)**

This course is intended to equip the student with a baseline understanding of issues and concepts that compose the Western philosophic enterprise, and to serve as a point of departure for their further studies in Philosophy.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PHIL110 Critical Thinking (3 semester hours)**

Critical Thinking introduces skills, concepts, models, and techniques for reading, writing, and thinking critically. Critical thinking is a necessary process for identifying and solving problems in academia and the workplace, as well as interpreting information in the media. Through the use of critical and logical thought processes, students will develop practical, analytical skills that prepare them for the investigative nature of being life-long learners.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL110>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PHIL200 Introduction to Ethics (3 semester hours)**

This course will examine the field of ethics and provide the tools for ethical decision-making. Students will analyze texts for meaning, apply theories learned to various areas of moral concern, such as war, euthanasia, divorce, and poverty. The course will also provide an overview of how philosophers have thought about moral problems and some of the solutions they have proposed. Students will develop the ability to think about moral problems in a clear and logically consistent manner.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PHIL202 Philosophy of Science (3 semester hours)**

Philosophy of Science will introduce students to the origins and development of modern science and how that is distinguished from pseudo-science; the importance of deduction and induction and their separate methodologies; the process of the scientific method; scientific change and scientific revolutions, particularly that of Thomas Kuhn; and selected philosophical problems in the basic sciences, such as absolute space, biological classification, the modular mind, and recent discoveries of neuroscience.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PHIL300 Logic (3 semester hours)**

This course is an examination of the historical and contemporary concepts and techniques used in logic and emphasizes modern and classical treatments of topics such as quantification and rules of inference. The course will cover the principles of induction, informal fallacies, and uses of logic in everyday life. NOTE: THIS COURSE UTILIZES SOFTWARE THAT CAN ONLY BE RUN ON WINDOWS OR MAC SYSTEMS. (Prerequisite: PHIL101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PHIL302 Ancient Western Philosophy (3 semester hours)**

This course examines themes in the thought of Plato, Aristotle, and the Stoic, Epicurean, and neo-Platonist philosophers of the ancient world. It enables the student to enter the "great conversation" of western civilization as well as debate the fundamental questions that surround science, religion, self-awareness, ethics, and politics. (Prerequisite: PHIL101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PHIL303 Medieval Philosophy (3 semester hours)**

This course considers the synthesis of Christianity with classical pagan philosophy achieved by St. Augustine and St. Thomas Aquinas. What became of the ancients' ideal of human knowledge in an age when philosophy became the "handmaid of theology"? What were the underpinnings of the "natural law" conception of moral and political philosophy? How did this medieval synthesis break down, on the scientific side with Galileo's challenge to Aristotelian physics and astronomy, and on the moral and political side with Machiavelli's portrayal of a Renaissance prince? (Note to Students: The course materials, assignments, learning outcomes, and expectations in this upper level undergraduate course assume that the student has completed all lower level general education and career planning coursework necessary to develop research, writing, and critical thinking skills. Students who have not fulfilled all general education requirements through courses or awarded transfer credit should strongly consider completing these requirements prior to registering for this course. (Prerequisite: PHIL101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL303>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PHIL320 Environmental Ethics (3 semester hours)**

This course is a study of environmental issues from a moral and philosophical approach. Issues raised in the course include the moral obligation, or lack thereof, to preserve and protect the environment, the ethical presumptions that underlie environmental policy, the traditional theories of moral philosophy applicable to contemporary environmental problems, and the potential for a new conception of the relationship between humanity and nature.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL320>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PHIL330 Philosophy of Law (3 semester hours)**

This course surveys the main issues in the philosophy of law. We will study seminal work on questions like "what is the law?", "what is the relationship between the law and morality?", "what does it mean for someone to be responsible for a crime?", and "what makes a punishment reasonable?".

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL330>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PHIL340 Bioethics (3 semester hours)**

This course is the study of ethical dilemmas that arise in the practice of medicine, biomedical research, and healthcare policies. We will learn when to use one ethical principle over another in making ethical judgments and decision making. For example, when is it okay to take away individual civil liberties for the greater good, such as instituting lockdowns, quarantines and forced business closures during a pandemic? The CDC and WHO operate using utilitarian principles to protect everyone, but they do so at the expense of taking away some people's freedom. On the other hand, there are situations in which using the utilitarian principle would be the most unethical course of action. For example, even though slavery benefited the majority of people in this country economically, it was immoral to deprive any individual of their civil rights. The abolitionists were correct to choose the deontological principle to argue, and fight for, the freedom of the slaves. Those are obvious examples, but there are many that are very hard to figure out. This course will provide a framework and guidance for critically thinking through biomedical issues. Whether or not you are heading for a career in the medical profession, this course will help you make good decisions concerning your own health and well-being.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PHIL400 Contemporary Issues in Philosophy (3 semester hours)**

This course examines specific topics in philosophy, such as ethics, neuroscience, social philosophy, and political philosophy, that are of central interest and interdisciplinary in nature. In this course, students will develop a deeper knowledge of notions of the self, love, the morality of charity, and philosophies that address war and terrorism. Students will also develop a better understanding of how neuroscience, biology, and experimental philosophy influence our understanding of human morality. (Prerequisite: PHIL101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL400>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PHIL401 Modern Philosophy from Descartes to Kant (3 semester hours)**

This course focuses on the work of European philosophers from roughly 1600 to 1800. Students will study the philosophy of René Descartes and traces the development of philosophical rationalism and empiricism in thinkers such as John Locke, David Hume, and Baruch Spinoza. In addition, the class will cover the transcendental idealism of Immanuel Kant. (Prerequisite: PHIL101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL401>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PHIL403 Continental and Post-Modern Philosophy (3 semester hours)**

This course is a contemporary discussion of philosophic thought. It addresses leading thinkers and theories of the past two centuries and includes Hegel, Marx, Nietzsche, Sartre, Arendt, and other philosophers. (Prerequisite: PHIL101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL403>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PHIL405 Metaphysics and Epistemology (3 semester hours)**

This course will cover basic themes in the topics of metaphysics and epistemology. It will investigate the basic question of "being," or what reality is most fundamentally, as well as the fundamental question of knowledge, or what distinguishes real knowledge from mere belief or opinion. Students will be asked to investigate questions regarding the existence or non-existence of God, and to critically examine leading metaphysical options such as theism, atheism, materialism, and idealism. They will also be considering questions regarding the acquisition and justification of various epistemic claims. Particular topics will include free will, determinism, skepticism, and truth.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL405>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PHIL410 God and World (3 semester hours)**

What is it that we name, what is it that we mean, when we say God? Although we may speak of God as if we are naming some entity or being whose identity we hold in common understanding, as we will see, God is a name used to express a range of concepts and experiences that have varying and often conflicting features. In this class we will examine some of these concepts and descriptions of experiences of the divine. Ultimately, however, this is not a study of God but of man and his attempt to understand his relation within and between God and the world.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL410>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PHIL417 Analytical Philosophy (3 semester hours)**

This course is designed to introduce students to the foundations and building blocks of philosophy in the analytical tradition. Focusing on a combination of topical and chronological, students will learn about the development of a school of thinking occurring in primarily anglophone countries, as opposed to primarily non-anglophone, Continental Philosophy. Specifically, starting with individuals such as Carnap, Russell and Wittgenstein, the course covers the development of analytical philosophies of language, metaphysics, epistemology, mind, ethics, and personal identity. The class culminates by examining a few recent developments including experimental philosophy and neuroexistentialism.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHIL417>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## Philosophy and Religion (PHRL)

### **PHRL498 Religion and Philosophy Capstone (3 semester hours)**

This capstone course is an intensive study of major figure(s) and or movement(s) in philosophic thought, and/or contemporary issues and beliefs in religion and events of particular historical importance to the discipline. Students will integrate knowledge acquired in previous courses into critical analyses of movements, theories and principles that have influenced historical and contemporary thought in philosophy, and the integration of a critical analysis of selected sacred scriptures, collection and review of religious adherents' expressions and experiences, and a synthesis of all research into a final written project. This is a capstone course to be taken after all other Philosophy and Religion courses have been satisfactorily completed.

(Prerequisite: Completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHRL498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Political Science (POLS)

## **POLS101 Introduction to Political Science (3 semester hours)**

Introduction to Political Science explains foundational principles of the field. Students will learn the purpose of political science, common terms and concepts, and subfields. Among these are introductions to political philosophies and ideologies, comparative systems of government, and international relations. The course also examines the professional and academic fields to which a political science degree is relevant.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=POLS101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **POLS210 American Government I (3 semester hours)**

This is the first course in a two-course sequence in American Government. The course is designed to convey basic facts about the structure and functioning of the American political system. The philosophical foundation of the U.S. Constitution is explored and the federalist construct is examined. The functions of the three separate branches of government and their roles in policy making are a major focus.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=POLS210>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **POLS211 American Government II (3 semester hours)**

This is the second course in a two-course sequence in American Government. The course is designed to provide research tools and writing skills that will build on the academic knowledge acquired in POLS210. The student will investigate issues in American government in greater detail through use of Internet-based research, seminar discussions, and point papers. (Prerequisite: POLS210)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=POLS211>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **POLS213 Political Theory (3 semester hours)**

This course offers an overview of Western political thought from the Ancient Greeks to contemporary political theorists. It follows the rise of secularism and modernity through an Enlightenment tradition of social contract theory, shaping debates on human nature, equality, liberty, rights, and justice as the basis for civil society and democratic governance. This course is an essential foundation for the political science major.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=POLS213>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **POLS301 Ethics in Politics (3 semester hours)**

This course focuses on providing students a study of ethics as it relates to government. Students will be presented with readings, case studies, and insightful information that will provide them the opportunity to analyze topics that will enable student discussions pertaining to ethical dilemmas in politics.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=POLS301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **POLS311 Political Parties and Interest Groups (3 semester hours)**

This course is a study of the various roles of political parties and interest groups in the American democratic process. Issues covered include the ideological differences among parties, the role of third party candidates, mobilization of voting blocks, the formation and types of interest groups, and political agenda development.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=POLS311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **POLS312 State, Local, and Community Politics (3 semester hours)**

Comparative analysis of state and local political systems in the United States. Emphasis is placed on the contemporary role of states and localities in the development and implementation of public policies. Additionally, there is an examination of the role of grass roots social movements in shaping local politics.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=POLS312>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**POLS401 The Psychology of American Politics (3 semester hours)**

This course is an overview of the psychological study of American politics. Various topics and issues are covered throughout the course to include the personality, leadership style and decision making of presidents, voter choices and preferences, the influence of the media and political attitudes of different groups.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=POLS401>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**POLS410 Public Policy (3 semester hours)**

Analyzes the formulation and execution of public policy in America. Includes study of decision-making theory, bureaucratic politics and other models that seek to explain how policy is made. Issues explored include social, environmental, economic, homeland security, defense, and foreign policy. Additional issue areas may be covered depending on contemporary significance.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=POLS410>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**POLS497 Senior Seminar in Political Science (3 semester hours)**

Analyses of specific issues addressed at the national level that would include a review of American political institutions and decision-making; policymaking in the economic, social, and security arenas; instruments of foreign and defense policy; federalism and democratic political theories; and the electoral process. This capstone course will provide students with the opportunity to complete an approved academic research exercise that demonstrates their knowledge of their selected field of study. (Prerequisite: Completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=POLS497>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Psychology (PSYC)

## **PSYC101 Introduction to Psychology (3 semester hours)**

The course introduces students to the art and science of Psychology. Course emphasis is on applying the "science of human behavior" to a variety of settings: vocational, personal, academic, and clinical. Course content introduces the history of psychology, major theories of personality and learning, current research and developmental issues. The course has a holistic approach and integrates the biological basis of behavior, social factors, learning and the unique coping styles of the individual to understand human behavior.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PSYC102 Professional Careers and Education in Psychology (3 semester hours)**

This course provides an overview of psychology as a profession and academic discipline. It focuses on the broad discipline of psychology and its subspecialty areas within the discipline, career opportunities available in the field and educational requirements for field entry, effective job and graduate program preparation strategies, and practical issues confronting psychologists and professionals in related occupations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC102>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PSYC201 Introduction to Social Psychology (3 semester hours)**

This course introduces students to historical and contemporary theories of social psychology, key theorists' contributions to the field of and practical applications of theoretical concepts in the real world of the individual functioning in group settings. The focus of study includes social judgments and decisions, attitudes and perception, social influence, attraction, aggression, altruism and group pressure and their influences on human behavior, cognition and emotion, along with exposure to the methods of social scientists who study group influence on human behavior in the field. (Prerequisite: PSYC101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PSYC221 Personality Theories (3 semester hours)**

This course provides a broad overview of theories of personality. Course content includes psychodynamic, behavioral, cognitive, and humanistic perspectives, and examines contributions of major theorists from each school, key theoretical points from each perspective, critiques of the value (and the limitations) of each theory.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC221>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PSYC300 Research Methods in Psychology (3 semester hours)**

This course focuses on laboratory and field research methods applied in the study of human behavior. Course content emphasizes the development of sound methods of hypothesis testing, data interpretation and formal research report writing, the review of empirical, peer-reviewed literature, the critique and interpretation of applied research and the ethical responsibilities and codes of conduct related to psychological research.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PSYC303 Learning and Cognition (3 semester hours)**

This course examines basic learning processes within the context of classical, instrumental, and operant learning situations. Course content focuses on classical conditioning, instrumental learning, principles of reinforcement, punishment and avoidance conditioning, stimulus generalization and discrimination, retention and forgetting, nature and functioning of memory, and learning and performance of motor skills. (Prerequisite: PSYC101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC303>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PSYC304 Perception (3 semester hours)**

This course provides an introduction to the study of how humans organize and interpret stimulation arising from their environments. Course content includes a review of theory, methodology, and research findings. Illustrative case studies will be explored, particularly with regard to disorders of perception. (Prerequisite: PSYC101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC304>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PSYC305 History and Systems of Psychology (3 semester hours)**

This course examines the major antecedents of modern psychological theories and methodology. Course content focuses on the history of psychology as a field of scientific inquiry, including an overview of development of schools of thought, prominent figures, and key theories. (Prerequisite: PSYC101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC305>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PSYC324 Psychology of Addiction & Substance Abuse (3 semester hours)**

This course focuses on the role of drugs in society, licit and illicit substances, the use and abuse of medical drugs, and the state of the field in terms of prevention and treatment for substance abuse and dependence. (Prerequisite: PSYC101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC324>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PSYC325 Biopsychology (3 semester hours)**

This course surveys anatomical structures and functioning as the biological bases for human functioning and psychological states. Topics investigated include sensory processing, movement, emotional expression, sleep, learning, memory, language, reproduction and psychopathology.

(Prerequisite: CHFD342 and PSYC101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC325>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PSYC343 Adult Development (3 semester hours)**

This course is an in-depth study of the developmental processes from the transition to adulthood through old age. Course content examines the ways adults construct meaning, including intellectual, moral, and personality development. Gender and culture are highlighted, and particular emphasis is placed on understanding the influence of context on adult development. (Prerequisite: PSYC101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC343>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PSYC360 Psychology of Terrorism (3 semester hours)**

This course is an introduction to historic and contemporary terrorist groups and their motives and strategies. The psychological and social impact on individuals, communities and global societies of the achievement of terrorist goals as well as recruitment methods, the influence terrorist groups exert on their members and factors influencing the establishment and dissolution of terrorist groups will be examined.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC360>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PSYC406 Psychopathology (3 semester hours)**

This course surveys syndromes of psychopathology, by reviewing etiology, symptomatology, and treatment. Psychological, neurobiological, and genetic approaches to understanding mental disorders are considered. Topics also include depression, anxiety, schizophrenia, personality disorders, memory disorders, and childhood disorders. (Prerequisite: PSYC101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC406>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **PSYC431 Psychology of Disaster (3 semester hours)**

This course focuses on the psychological and physiological human response to natural and man-made disasters. Using clinical research and case histories, students will examine normal and abnormal psychological reactions, the recovery process and principles of mental health care for victims of mass disasters. Differences between natural and man-made disasters are examined and factors that mitigate post-traumatic effects are reviewed. Psychological aspects of Weapons of Mass Destruction (WMD) disasters are also considered.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC431>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PSYC432 Psychology of Combat (3 semester hours)**

This course is a study of acute and chronic behavioral response to battle. Students will review, analyze, and evaluate the range of psychological responses to combat, from "normal" reactions to variations of "Combat Stress Reaction." Case studies from combat action will provide material for application and synthesis of the concepts presented in the course. Topics include the U.S. military approach to psychiatric management of combat, POW experiences, mental adaptation for future warfare, and stress associated with other forms of conflict, such as peacekeeping. (Prerequisite: PSYC101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC432>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PSYC490 Independent Study: Psychology (3 semester hours)**

This Independent Study course provides an opportunity for undergraduate Psychology students to examine in depth, and with individualized guidance from a professor, a specific area within the discipline of psychology. The course is open to upper division Psychology majors only. Independent Study course sections are 8-weeks long and run during the University's regular monthly course offering cycles. Completing of this course off cycle or for less than 3 credits is not permitted. No exams are included in the course. Course completion will involve weekly in-classroom engagement with the Independent Study professor, to be accomplished via asynchronous discussion board engagements, assignment grading feedback and email, and the multi-phased completion of an in-depth peer-reviewed literature review paper with a required minimum length of 20 main body pages and formatted per the editorial requirements of the American Psychological Association (APA), along with the completion of any other supporting assignments to be determined by the professor. Independent Study involves advanced-level student work held to rigorous standards and it should not be attempted merely as a means of earning 3 credits needed to finish up a degree. To be eligible to register for the course, a student must be actively enrolled in the undergraduate Psychology degree program and must have completed 24 hours at APUS toward the degree. Prior to attempting PSYC490 registration, the student must first have identified an Independent Study topic focus of interest, and must have discussed the proposed topic with and obtained a memo of commitment from a professor agreeing to teach the course. The student also must have subsequently obtained approval from the Psychology Program Director prior to any registration attempt. Ample time for meeting these responsibilities must be allowed and attempts to do so should not be made during the final week before the registration period for the target course session closes, as each required step in the process necessitates consultation and review turnaround time. A month of lead time is strongly recommended. Following completion of these responsibilities, the student will be notified that a section of PSYC490 Independent Study has been opened for individual registration. The student must then complete official online registration for the course prior to the ending of the regular course registration period (late registration for this course is not permitted), enter the classroom during Week 1 to connect with their professor, review the course syllabus and all other classroom materials, and subsequently complete each week of the course as required by the professor. Pre-requisite: PSYC101 Introduction to Psychology. Available to upper division APUS Psychology majors only. Must have completed 24 hours at APUS toward current degree program. (Prerequisite: PSYC101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC490>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PSYC498 Senior Seminar in Psychology (3 semester hours)**

The Senior Seminar in Psychology is the capstone course for the bachelor of arts in psychology degree. Students will examine what they have learned during their program and how these concepts and skills apply to a specific occupational path in the psychology profession. Students will also examine the requirements to seek careers in psychology as well as the options for graduate study. (Prerequisite: Completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Public Health (PBHE)

## **PBHE111 Introduction to Health Care Administration (3 semester hours)**

This course presents information and insight that identifies the challenging and overarching issues surrounding Health Care Administration. It carefully examines the broad functions, operations and tools of the field and emphasizes the need for excellence in the management of health services. This course will assist students as they prepare for health services management careers and provides an ongoing program of professional development for those already employed in health professions. The course is divided into three parts: Managing in Health Services Environments, Managerial Tools and Techniques, and Managing Relationships.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PBHE111>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PBHE112 Health Services Organization (3 semester hours)**

This course examines Health Service Administration, primarily The Structuring Policies of Federal, State, and Local Organizations. PBHE112 reveals the framework of the United States Healthcare System; the organization and administration of health services; the roles of international, federal, state, and local health organizations; and the barriers to health services delivery.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PBHE112>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PBHE209 Wellness: Health Promotion and Disease Prevention (3 semester hours)**

This course introduces students to the wellness concept, which builds the foundation for health literacy and an appreciation for life-long health and physical fitness. The components of wellness will be studied in this class, including physical, intellectual, emotional, social, spiritual, environmental, and occupational, with the goal of promoting and advocating for self-responsibility, health literacy, and a life-long commitment to wellness.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PBHE209>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PBHE211 Public Health in America (3 semester hours)**

This course discusses the important role that public health plays in the United States. Students will examine how behavioral, epidemiological, environmental and social factors influence the public's health, and how public health professionals develop appropriate intervention strategies to improve the nation's health. Students will also explore future challenges facing public health professionals in the 21st century.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PBHE211>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PBHE215 Healthcare: Moral Issues (3 semester hours)**

This course is an examination of moral issues and dilemmas within the health care profession based on associated ethical theories and principles. The course puts special emphasis on patient's rights, social justice of health care, and evolving health care technologies.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PBHE215>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PBHE315 Health Economics and Finance (3 semester hours)**

This course is designed to provide the student with tools used to express the financial and economic components of the health care industry. The student will develop a vocabulary in addition to gaining knowledge in the use of graphs, charts, tables and reports. The student will utilize these tools to assess past and present analysis as well as projecting future developments.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PBHE315>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **PBHE413 Special Operations in Emergency Medical Services (3 semester hours)**

This course deals with the specialized issues associated with emergency medical services—those issues that are not commonplace or part of everyday procedure. Topics include emergency medical services in mass casualty, biological, chemical and radiological incidents. The course also covers unique topics in emergency medical services, to include the employment of services in complex contingencies, such as those faced when fire, police, terrorist, and other emergencies co-exist with the need to provide medical services on-scene and post-disaster.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PBHE413>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**PBHE426 Quarantine (3 semester hours)**

This course is a study of the theoretical, historical, and contemporary issues associated with quarantine as a public health and safety measure. Students will learn quarantine strategy, implementation, effectiveness, and debate. The course topics will include the consideration of quarantine as a health and safety measure in modern homeland security strategy.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PBHE426>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**PBHE427 Epidemiology (3 semester hours)**

This course provides an introduction to epidemiologic concepts and approaches to population problems in public health. It covers a wide spectrum of topics, to include outbreak investigation, test properties, and study design. The course will provide understanding of disease and disease transmission, rates and proportions associated with different forms of outbreak, and epidemiological risk management methods and measures.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PBHE427>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**PBHE498 Senior Seminar in Public Health (3 semester hours)**

This senior capstone course allows students majoring in public health to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses. This is a capstone course to be taken after all other Public Health courses have been satisfactorily completed. (Prerequisite: Completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PBHE498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Religion (RELS)

## **RELS101 Introduction to the Study of Religion (3 semester hours)**

This introductory course explores the basic nature of religion, both historical and contemporary, and familiarizes the student with a multidisciplinary approach to religious study. Students examine the importance of religious thought and expression, from the viewpoints of both a participant and a critic.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **RELS201 Introduction to World Religions (3 semester hours)**

This course introduces the major religions of the world with attention to origin, history, beliefs and practices. The course provides a balanced consideration of both Eastern and Western religions. No force has influenced human life and civilization more than religion; no understanding of human affairs, on an individual scale or a global one, can succeed without comprehending it.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **RELS202 Religion in America (3 semester hours)**

This course examines the variety of ways in which religion is found in contemporary American experience. Course content focuses on the changes within traditional historical religions as well as new religious groups which have evolved within American society.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **RELS205 Christianity (3 semester hours)**

An introduction to Christianity as a world religion — with origins, history, beliefs, literature, ritual and practical ethics as points of departure — this course places emphasis on understanding the multiple and complex global interpretations of Christianity as expressed by the great church traditions (including Roman Catholic, Eastern Orthodox, Protestant denominations, and traditional churches of the Middle East and Africa) and in regional variations worldwide. Students will study key events in the history of Christianity, such as the iconoclasm and the rise of Islam, schism between East and West, Crusades, Reformation, and the role of the Enlightenment with attention paid to key councils, authoritative decisions of historic church leaders, and the writings of some of the most influential global Christian voices. For each of the focal points we will consider the historical, geographic and cultural contexts, and listen to the various participants in key debates — winners and losers. Students will have an opportunity to examine Christian influence on art, literature, science, intellectual movements, and politics through the history.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS205>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **RELS206 Contemporary Christianity (3 semester hours)**

Over the past 2,000 years, the influence of Christianity has grown to impact almost every corner of the world as the largest religion in our time. This course will provide an academic survey of the modern issues that are currently impacting contemporary Christianity through the study of selected themes, movements, religious contexts, theologies, philosophies, and beliefs with attention to its continuing religious and cultural impact. It delves into the study of contemporary Christian issues, including the nature of the Bible, science and evolution, gender and sexuality, world Christianity, persecution, the decline of Christianity in America, church and state, racism, freedom, art and technology, ecology, sports, and institutions.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS206>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **RELS211 Introduction to the Old Testament (3 semester hours)**

This course acquaints students with the content and major themes of the Old Testament and familiarizes them with important contemporary scholarship which helps to illuminate the biblical documents. Course content explores the socio-political and religious forces that shape the thirty nine books of the Old Testament and examines the enduring significance of their diverse messages.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS211>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS212 Introduction to the New Testament (3 semester hours)**

This course provides a detailed exploration of the historical and religious context, literary styles and theological themes of each of the twenty-seven books of the New Testament, and offers an overview of current New Testament studies.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS212>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS250 Death and Dying (3 semester hours)**

This course provides perspectives on death and dying. Students examine how death is beneficial and necessary for evolution. Participants explore the media's impact on mortality. Participants analyze how to communicate death to the living. Students assess the bereavement and burial process. Topics include: communicating death, the feeling of emptiness, the forgetfulness of life, living in the face of death, organ donation, burial, and the other side after death.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS250>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS260 Race & Religion (3 semester hours)**

American society is a cauldron of various racial, political, ethnic, and religious formations. Amongst these, religious and racial formations provide strong modes of social organization. Both religion and race are also a major stimulus of cultural practices and belief systems. These two modes influence the ideals of democracy, equality, freedom, and even political identifications. The current agitations about Black Lives Matter are drawing attention to the racial divisions that are splitting the American society. At the same time, these movements are receiving the support of people from different religions. The Islam phobia and growth of right-wing militias are also similarly pitting Americans against one another based upon their religious beliefs. American writers, artists, activists, and even poets have drawn attention to these linkages and the pernicious impact it is having upon our society. Their contributions provide an alternate understanding of the strengths and limitations of American democracy. In this course, we will examine a variety of sources to understand how religion and race are shaping American democracy and society.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS260>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS270 Hope and Resilience (3 semester hours)**

Difficult situations in life motivate us to think carefully about religion. The forms of religions are based on the well-being of human beings, and they have provided many different ways to follow paths that are good for our mental and physical health. This course will deal with essential questions; do religions offer ways and techniques to support that are good for our well-being? What paths have been provided to lead a good life? How our hope, contemplation, and resilience are rooted in popular religions? What are the methods advised by religions to help practitioners? The course will include traditions that are isolated to a specific culture. However, they have their historical, cultural, and social context, in which they have been beneficial to the practitioners of these cultures. On American soil, they are coming together as a melting pot, and this course will look into how their beneficial value can be used to manage current stresses. This course will look into beneficial teachings from different religions that are becoming mainstream and are practiced in a non-traditional way without converting to a specific religion. The course will cover Christian traditions, Sufi traditions, traditions from People of First Nation, Hindu, and Buddhist traditions. Ways to Stop and reflect and achieve tranquility. Not as a way of worship rather a way of living one's life with equanimity and hope.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS270>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS305 Theology of Social Responsibility (3 semester hours)**

This course provides an exploration of belief and practices related to agitation, direct action for social change, and responsible action in the religious setting. This course dives into how identity, power, and suffering shape historical judgments about the intersection of religion and ethics. Close readings of primary sources drawn from autobiographies, letters, sermons, poems, and treatises. Figures may include John Wesley, Sojourner Truth, Frederick Douglass, Eberhard Arnold, Martin Luther King Jr., Pauli Murray, Dorothy Day, Thomas Merton, Jean Vanier, Daniel Berrigan, Joan Chittister, Jonathan Wilson-Hartgrove, and The Sister Fund.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS305>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS311 Introduction to the Bible (3 semester hours)**

This course explores the languages, canonization, organization and translation of the Bible. The genres of narrative, poetry, wisdom, law, prophecy, gospels, parables, letters, and apocalypse are analyzed in order to thoughtfully read the Bible without the aid of other reference works. This course is foundational to further Biblical study.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS330 Religions of the Middle East (3 semester hours)**

This course is a study of the three primary religions whose origins were in and which are still practiced in the Middle East: Judaism, Christianity, and Islam. For each religion, topics include history, culture, beliefs, scriptures and practices. Variations within the religions will be studied in context of their expression in the Middle East. In addition, the relationship of the three in the present day context will be studied, as well the influence of the religions on political and social situations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS330>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS350 Hinduism (3 semester hours)**

This course introduces students to Hindu religious life with the primary focus being on the examination of some key concepts (such as dharma, samsara, atman, maya, moksha, artha, monism, and pantheism), along with an attempt to have a firm grasp of the meaning of religious ideas, symbols, and practices, as related to the participants. Course topics include the disciplines (yogas) of devotion (bhakti), action (karma), knowledge (jnana), ethics, and the major schools of thought.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS350>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS351 Buddhism (3 semester hours)**

This course is a study of Buddhism's major historical movements and cultural expressions. Students examine the origin and development of the teachings, rituals and institutions of the Buddhist tradition in South Asia since the beginning of the common era to the present day. Course topics include the life and times of Siddhartha Gautama ("the Buddha"); implantation in East Asian societies of the various forms of Buddhism that developed in South Asia; development of new Buddhist "schools" in East Asia; relationships between Buddhism and the other religious traditions in East Asia; relationships between Buddhism and the State; early Buddhist community; popular Buddhist piety and social movements; development of the three main branches of the Buddhist tradition, and the role of women in Buddhism.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS351>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS353 Islam (3 semester hours)**

This course is an introduction to Islam - and its associated civilization - through readings, case studies, projects, and interaction within the classroom. Course content will examine the people and nations that practice this fascinating religion.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS353>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS360 East Asian Religions (3 semester hours)**

This course introduces East Asia's major religions, covering the geographical, historical, ethical, and comparative dynamics of these four religious traditions in the countries or territories of China, Mongolia, Tibet, Hong Kong, Taiwan, North and South Korea, and Japan. This will include the inclusive nature and coexistence of these religions such as "The Three Great Doctrines" of Taoism, Confucianism and Buddhism in China and other areas, and Shinto and Buddhism in Japan, along with their indigenous folk traditions.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS360>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS370 South Asian Religions (3 semester hours)**

This is a survey course for students to understand South Asian religions. The course will use primary and secondary texts, videos, and first-person accounts for instruction to generate class discussions. Hinduism, Buddhism, Jainism, and Sikhism are major religions practiced in South Asia and by their diaspora in the west. This course will invite students to think deeply about different perspectives and how various religions have emerged or accepted teachings from each other to evolve as independent religions. The course covers contemporary applications of the religions with particular attention to the cultural, social, and political structuring of their practices.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS370>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS405 Myth and Ritual (3 semester hours)**

This course is a study of the role of myth and ritual in historical terms as well as modern myth and ritual developments. Students explore the influence of pervasive myths and rituals in society as they are infused throughout people and religious thought. Students will examine the continued influences of classical, religious and new myths in American popular culture and society today.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS405>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS411 Religious Existentialism (3 semester hours)**

This course is a study of the set of philosophical ideals that emphasizes the existence of the human being, the lack of meaning and purpose in life, and the solitude of human existence. The course will cover the existentialist philosophy and its leading historical proponents.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS411>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS422 The Teachings of Jesus (3 semester hours)**

Jesus Christ has impacted the world unlike any other person in history. Profound and multifaceted, Jesus' life and teachings are explored through the careful study of the history, culture, miracles and teachings presented in the four ancient Gospel accounts of Matthew, Mark, Luke and John.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS422>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RELS462 New Religious Movements and Cults (3 semester hours)**

This course examines new religious movements and religious cults that span specific times and faith-based perspectives. Its focus is on the development of new religious movements and their growth, as well as the causes of cult formulation, cult leadership, cult purpose, and cult interactions with the outside world. Course content also explores what is meant by the terms "new religious movement," "cult," and "alternative religion," using historical and contemporary examples to illustrate these ideas. (Prerequisite: RELS101)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RELS462>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



# Retail Management (RTMG)

## **RTMG150 Retail Organization Fundamentals (3 semester hours)**

In this course, students will learn the basics of retail management functions, principles and techniques found in today's marketplace. Students will also explore the ideal characteristics and responsibilities of an effective department or store manager, ranging from legal and safety scenarios to understanding the role and importance of logistics in various retail establishments. In this class, students will focus on the individual as a contributor, their roles and responsibilities in retail management and operations, and its varied sizes and types.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG150>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **RTMG200 Customer Relations (3 semester hours)**

This course introduces students to the basics of customer relations functions and describes the ideal characteristics of good customer relations in both small and large retail organizations. This class will also discuss effective customer relations strategies, effective listening, oral and written communication, analytical and problem-solving skills, and teamwork based on the organization's commitment to meeting customer needs while making customers feel welcome and valued. Students will also learn the methods and approaches to addressing problems, including the management of conflicts when they occur.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **RTMG201 Retail Inventory Management (3 semester hours)**

This class in retail inventory management will present the significant factors in managing a business' profits at a steady margin and reducing theft and loss of inventory. Students will learn to distinguish between large and small retail organizations and become familiar with variations in inventory management based upon the nature of the inventory (such as perishable, seasonal, and fashion). The course will also review the skills, tools, and resources required for effective inventory management, as well as the strategies for keeping inventory current and various ways to identify and mitigate inventory management challenges.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **RTMG202 Risk Management (3 semester hours)**

This course enables students to identify, define, and explain risk situations and to develop management concepts, techniques and processes and understand from a company perspective the impact of safety and compliance policies. To understand risk management students will examine risk management origins and trends from an insurance perspective in retail and develop skills in interpreting the impact that unresolved risk management issues can have on compliance, safety and the bottom line. Risk management is about insurance and developing policies to mitigate risk. This strategic focus and its application are covered in this class.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **RTMG204 Finance Fundamentals (3 semester hours)**

During this course, students will develop a basic vocabulary and application of finance functions and principles. Students will describe the importance of knowing retail based calculations such as retail pricing, markup, and gross profit. They will relate the concepts of retail math (initial margin, markdown, shrinkage, gross profit dollars and percents) to finance and to the overall business success of the retail enterprise. They will define and apply ending inventory, retail cost, cost compliment, net profit, net sales, controllable expense, and non-controllable expense. Students will examine how retail finance can be applied to products and services in a wide variety of situations and how to review a project and evaluate the financial situation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG204>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **RTMG300 Retail Strategy (3 semester hours)**

This course in retail strategy will teach students to use analytical techniques for diagnosing the competitive position of retail-focused strategy and discover specific retail options to suit particular markets. Students will discover the strategic perspectives of retail management; examine essential concepts in the retail industry; determine how retail businesses increase returns; and learn ways to create economic value for owners and stakeholders. Students will also examine how consumers behave as shoppers and what retailers can do to create and satisfy customer demands. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG300>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RTMG301 Retail Innovation (3 semester hours)**

This course looks at new or significantly improved service concepts such as new customer interaction channels and approaches, new distribution systems, and innovative technological concepts. Students will examine how retailers must continually review current practices and introduce innovative concepts to remain competitive. The class will also explore how market patterns change and create both opportunities and threats for retailers.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RTMG302 Retail Operations (3 semester hours)**

In this retail operations class, students will study how to manage the day-to-day functions of retail establishments, such as department stores, grocery stores and specialty shops. Students will also learn how to formulate and analyze of policies and operations that collectively determine how a retail-oriented business positions itself to increase its returns and create economic value for its owners and stakeholders. In addition, students will be introduced to analytical techniques for diagnosing the competitive position of retail-focused strategy and the functions and applications of retail operations theory.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RTMG303 Retail Merchandising Operations (3 semester hours)**

For this course, students will examine retail merchandising operations as the principal task of in-store managers and sales personnel. Students will also learn all of the functions related to merchandising and corporate profitability and how to manage and arrange products on display in a store to increase sales within a competitive market. In addition, students will discover how today's global business organizations utilize techniques and resources to succeed and remain profitable.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG303>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RTMG304 Digital Retail Inventory Management (3 semester hours)**

In this course, students will review the digital retail inventory management processes and methods used to keep track of stock and inventory. These methods control ordering, shipping, receiving, inventory tracking, retail turnover, and storage. Also, students will analyze the skills, tools, and resources required for effective inventory management, as well as strategies for keeping inventory current. In addition, students will learn different ways to identify and mitigate inventory management challenges and risks to support a retail organization's profitability.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG304>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RTMG305 Financial Concepts in Retail Management (3 semester hours)**

During this course, students will develop a basic vocabulary and application of finance functions and principles. Students will describe the importance of knowing retail-based calculations such as retail pricing, markup, and gross profit. They will relate the concepts of retail math (initial margin, markdown, shrinkage, gross profit dollars and percentages) to finance and to the overall business success of the retail enterprise. They will define and apply ending inventory, retail cost, cost complement, net profit, net sales, controllable expense, and non-controllable expense. Students will examine how retail finance can be applied to products and services in a wide variety of situations and how to review a project and evaluate the financial situation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG305>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RTMG310 Digital Retail (3 semester hours)**

This Digital Retail course provides an introduction to digital retail concepts and principles and explores real-world practices for engaging the customer in the shopping experience that empowers both the employee and the consumer. Students will be introduced to the evolution of retail markets from pre-industrial to modern times. Students will investigate the way retailers are using technology in both small and large organizations to create seamless transactions for an e-commerce or mobile platform, along with efficient supply chain and distribution methods. In addition, this course includes a discussion on the inherent risks of digital retail, including data fraud and safety protection.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RTMG311 Digital Retail Technologies (3 semester hours)**

This course is designed to provide a foundational knowledge in digital retail technology and how it is used by retailer, both large and small. As technology has changed the landscape of retail processes, it has also created a necessity for decision-makers to have the ability to use various methods to evolve in the global retail market. Students will learn how to use predictive analytics to help organizations problem-solve retail objectives. In addition, students will explore new ventures retailers are taking to overcome challenges in the market place through implementing digital inventory and supply chain management. Students are introduced to the trends and challenges of new technology including augmented reality, enhancing the customer experience, smart enabled equipment, and product customization.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RTMG312 Digital Retail Analytics (3 semester hours)**

This course focuses on digital retail analytics. Students will have the opportunity to discuss and review terminology, concepts and best practices in digital retail analytics. Topics will include the role digital retail analytics plays in the supply chain, inventory, customer relations, merchandising, and security. Students will examine methods used to best uncover patterns in data. Looking forward, students will develop predictive tools to benefit retailers in future planning and strategy.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG312>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RTMG313 Digital Retail Strategies (3 semester hours)**

This course focuses on digital strategies in retail. Students will have the opportunity to discuss and review terminology, concepts, best practices and strategies in digital retail. Topics will include the creation and implementation of digital strategies and digital market planning used by successful retailers. Students will explore the retailer's role in society, providing insights as to how consumers behave as on-line shoppers, what retailers do to create demand, as well as their role in satisfying customer demands in a digital world. In addition, students will discuss digital retail strategies from the perspective of planning for success as well as identifying challenges and problems that occur when retailers do not react to rapid changes in the digital marketplace.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG313>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RTMG314 Digital Merchandising (3 semester hours)**

This course is designed to provide the student with an in depth understanding of digital merchandising, fashion, retail, and consumer shopping behavior from a digital perspective. Materials that will be covered include digital, social, and mobile platforms as we explore the future of digital merchandising. Students will discuss the increasing role of e-commerce and how mobile technologies are shaping the consumer shopping experience and how to best utilize these tools to drive business success. Students will explore digital merchandising and how promotions and web layout design can affect consumer purchasing and decision-making processes. Students will also explore how trend forecasting, digital marketing and advertising campaigns affect the sale of products in the digital marketplace.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG314>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**RTMG315 Retail Cybersecurity (3 semester hours)**

This Digital Retail Cybersecurity course provides a broad overview of cybersecurity concepts and principles and explores real-world threats facing today's retailers in a global economy. Students will assess various methods retailers can utilize to avoid security threats on outdated hardware or software. Students will investigate various data breaches throughout the past decade, analyze ransom and malware attacks, and discuss how retailers and consumers are both a part of preventing financial data breaches. In addition, this course includes a discussion on the inherent risks of digital supply chains, third party vendors, and explores the ever-increasing mobile security issues facing retailers.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RTMG315>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Reverse Logistics Management (RLMT)

## **RLMT301 Introduction to Reverse Logistics Management (3 semester hours)**

This course provides students with a systems-centric view to explore what is seen as today's wide range of practices in reverse logistics applications in manufacturing, retail and in the military. It includes the many definitions related to reverse logistics, the different scope, practices, procedures and processes of reverse logistics as compared to forward logistics. It explores the various dilemmas practitioners face in designing a reverse logistics system. A practitioner approach is used to explore and examine the management functions and the interrelationships among the components of reverse operational logistics are provided. This course is intended for students and professionals working in reverse logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RLMT301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **RLMT302 Environmental Issues in Reverse Logistics (3 semester hours)**

This course provides students with an overview of sustainment of materials recovered from waste management programs. Students will study environmental regulations and their impact on company's plans to dispose of unused or waste materials into landfills or recycling programs. Students will gain a perspective on how reverse logistics can work to improve the environment to help increase the value of the company's products, and increase revenue in the process. The student will evaluate the direct and indirect impact of reverse logistics operations and the impact on the local, regional, and world environment. The "green" movement will be explored as a competitive advantage. The student will study various recycling processes for various products, from automotive to clothing to food and beverages. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RLMT302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **RLMT303 Technology in Reverse Logistics (3 semester hours)**

This course provides students with a systems-centric view to explore how tracking and tracing technology, such as GPS, bar codes and Radio Frequency Identification (RFID) tags can be used in reverse logistics operations for returns, recalls, recycling and waste management. Case studies of today's best practices in reverse logistics technology used in manufacturing, retail and in the military will be studied and discussed. Packaging technology and the growth of new types of packages to reduce waste will be examined. A comparison will be conducted on how different technology is used in processes of reverse logistics as compared to forward logistics. A practitioner approach is used to explore and examine the management functions and the interrelationships regarding the use of technology to capture data for products flowing in the reverse logistics system. Data synchronization and the issues of interfacing legacy software systems or information technology systems will be explored. This course is intended for students and professionals working in reverse logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RLMT303>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **RLMT304 Reverse Logistics Policies and Procedures (3 semester hours)**

This course demonstrates the 21st century importance of strategic reverse logistics planning in contributing to corporate profits, customer service enhancements leading to higher sales and a marketing weapon to gain sustainable competitive advantage. The importance of moving information becomes equal to the movement of goods but is different when working in forward logistics compared to reverse logistics operations. Federal and state regulations regarding waste management and the handling of recycled materials will be examined. Managerial perspectives are offered on aligning corporate planning, technology, financial controls and reverse logistics performance measurement. Students will also gain an overview on the interaction among stakeholders in the public and private sectors in aligning public policy with global uncertainties when implementing reverse logistics operations. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RLMT304>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RLMT305 Cost and Benefit Analysis of Reverse Logistics (3 semester hours)**

This course provides students with a systems-centric view to explore the financial management components needed to develop best practices in reverse logistics applications in manufacturing, retail and in the military. A systems view of total life cycle cost will be calculated and compared to the benefits or value added by incorporating a reverse logistics process to manufacturing and retail operations. Students will analyze a potential reverse logistics case study to determine the short and long term financial implications to the company and to the environment. The student will examine how to define the problem and the core assumptions that define the problem space. This course is intended for students and professionals working in an organization that uses or is considering using reverse logistics.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RLMT305>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RLMT306 Green Logistics Programs and Issues (3 semester hours)**

This course provides students with an understanding of sustainability and environmental issues and programs for today's logistics and supply chain manager. Students will examine recycling activities of several corporations and examine "green" technology initiatives from using energy-efficient lighting to using wind and solar power. Legislation and regulations will be examined and discussed that place boundaries on greenhouse gases in manufacturing and in retail operations. International impacts on U.S. policies and programs, such as Cap-and-Trade will be examined in relationship to similar programs in other countries. The definition and potential impact of global climate change will be discussed. The student will examine how different manufacturing and distribution companies are complying or not with the Carbon Footprint concerns.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RLMT306>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RLMT307 Food and Beverage Reverse Logistics (3 semester hours)**

This course provides students with a systems-centric view to explore what is seen as today's best practices in reverse logistics applications to the food production and distribution industry as well as the beverage industry. The student will study new container and packaging designs, such as the TEDSBOX, to help eliminate the spoilage factor of food and beverage movement in a reverse logistics operation. The issue of food and beverage is complex with many solutions from retail grocery giants. How to process returned food and beverage items will be explored and options discussed. Field survey of a grocery store or commissary near the student will be encouraged in order to obtain the unique language used in each type of retail store. Recycled food and beverage items will be examined in order to reprocess basic ingredients, such as sugar, to be resold in the marketplace next to virgin sugar. This course is intended for students and professionals working in manufacturing and retail reverse logistic who are concerned with returns and unsalable products.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RLMT307>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RLMT309 Reverse Logistics Management and Operations (3 semester hours)**

This course provides students with an overview of today's best practices in reverse logistics applications in manufacturing, retail and in the military. It includes the nature, scope, practices, procedures and processes of adding a reverse logistics operations center to a forward logistics supply chain. A practitioner approach is used to explore and examine the management functions and the interrelationships among the components of reverse operational logistics are provided. Case studies of Central Returns Centers are examined and core assumptions derived to help define the steps to follow in setting up a Central Returns Center. This course is intended for students and professionals working in logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RLMT309>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **RLMT400 Recalls Best Practices and Issues (3 semester hours)**

This course provides students with a systems-centric view to explore what is seen as today's best practices in product recalls in manufacturing and retail. There appears to be no one standard set of practices or steps to follow for recalls. Each time a recall is voluntary or is issued by a company or the government, different procedures seem to be followed. This course will examine case studies of recalls from the food and beverage industry, consumer electronics, automotive, toys, and home appliances and furniture. The student will examine these cases to discover a set of procedures or steps that are common and those that are unique. This course is intended for students and professionals working in reverse logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RLMT400>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**RLMT495 Senior Seminar in Reverse Logistics Management (3 semester hours)**

This course allows students majoring in Reverse Logistics Management (RLM) to analyze specific issues of defining the various components of reverse logistics operations both domestically and internationally. This course will provide students with the opportunity to complete an approved academic research project that demonstrates knowledge of a selected applications area in reverse logistics management. The project, chosen on a specific topic, will be completed by each student in the course. (Prerequisite: Completion of a minimum of 106 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=RLMT495>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## School of Health Sciences (SOHS)

### **PSYC460 Sports Psychology (3 semester hours)**

Students will examine human behavior in a sport and exercise setting. They will understand that enhancing individual performance is a primary objective of sport psychology. Students will learn how to create a psychological skills training program, which incorporates theories of anxiety reduction, imagery training, and self-efficacy. Current theoretical perspectives of personality factors in exercise and sport, why people exercise, what motivates an individual, exercise/sport adherence, stress, anxiety, and arousal, and the psychological effects of exercise and sport will be investigated. Students will learn the key features of effective goal setting, and apply this understanding to their own professional development. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PSYC460>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN255 Principles of Pathophysiology and Pharmacology (3 semester hours)**

This course introduces students to the fundamental physiological principles of disease and injury and the mechanisms and use of drugs in the care and treatment of humans. It is intended to prepare students for careers in the health sciences and healthcare systems (medical assisting, medical technology, radiologic technology, respiratory therapy, health information management, medical coding, etc.). Initial lessons provide an overview of cellular injury, inflammation, immunity, drug naming, classification, and common mechanisms of drug action. Later lessons examine the common diseases and medications affecting each organ system. (Prerequisite: HIMA100)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN255>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Science (BIOL)

## **BIOL133 General Biology I with Lab (4 semester hours)**

This course provides a foundational basis for the study of basic biology. It is the first in a two-part biology series designed for students who intend to complete a degree that requires a majors-level biology course. Topics covered in this course include an introduction to the molecular basis of life; the biology of the cell; genetic and molecular biology; evolution; and the diversity of life on Earth. This course includes virtual laboratories that complement the topics and concepts covered in the lectures.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BIOL133>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **BIOL134 General Biology II with Lab (4 semester hours)**

This course is the second in a two-part biology series designed for students who intend to complete a degree that requires a majors-level biology course. Topics in this course include the diversity of life on Earth; plant form and function; animal form and function; and ecology and behavior. This course includes virtual laboratories that complement the topics and concepts covered in the lectures. NOTE: This course requires students to purchase additional materials that are not covered by the undergraduate book grant. Please refer to the Course Materials section for additional details. (Prerequisite: BIOL133)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BIOL134>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **BIOL180 Introduction to Biology (3 semester hours)**

This course introduces students to different biological systems and their natural environments. The course is designed to help students understand biological principles and the properties of life. Topics covered in this course will include the structure and function of plants and animals; cell biology principles; genetics; reproduction; development and growth; and biological diversity. Students will also learn the principles of evolution and how organisms interact with each other and their environment. In addition, students will discuss the process of the scientific method and will also be required to demonstrate science information literacy skills through the creation of a narrated presentation. Topics covered in this course require some comfort with math. This course is time-intensive, so students should ensure they have the time to fully commit to this course if it is used to fulfill the General Education science course requirement.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BIOL180>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **BIOL181 Introduction to Human Anatomy and Physiology (3 semester hours)**

This course introduces students to the fundamental principles of biology emphasizing the structure and function of the human body. Topics covered in this course will include a general introduction to human biology; the scientific method; organic chemistry; cellular/tissue structure and function; and the organization and regulation of body systems. Other topics covered in the course will include the human body's organ systems, genetics, human evolution, and ecology. In addition, students will discuss the process of the scientific method and be required to demonstrate science information literacy skills through the creation of a narrated presentation. Topics covered in this course require some comfort with math. This course is time-intensive, so students should ensure they have the time to fully commit to this course if it is used to fulfill the General Education science course requirement.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BIOL181>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **BIOL201 Principles of Anatomy and Physiology with Lab (4 semester hours)**

This course introduces students to the fundamental principles associated with the structure and function of the human body. It is intended to offer knowledge and skills often required in the health sciences and healthcare systems, such as medical assisting, medical technology, radiologic technology, respiratory therapy, health information management, and medical coding. The lessons and laboratory exercises focus on the organization, microscopic and gross anatomy, and the functions of the integumentary, musculoskeletal, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems of the human body. The course will also introduce the basics of chemistry and cell biology to provide a foundation for discussion of individual organ systems. This course includes a virtual laboratory component. This is a time- and resource-intensive course. Students intending to pursue a career in the health sciences should verify that this course meets the requirements of their intended program prior to enrollment. NOTE: Students may take either BIOL201 or BIOL250/BIOL251 for credit, but not both versions of the anatomy and physiology courses.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BIOL201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BIOL202 Principles of Microbiology with Lab (4 semester hours)**

This course includes the study of the history of Microbiology, as well as the fundamentals of microbe staining, culture and growth. We will also focus on sterilization, disinfection and antimicrobial therapies that help to keep microbes in check. Finally, the course will focus on microbial infections of the skin, eyes and wounds as well as the urogenital, respiratory, oral gastrointestinal and nervous systems. This course includes a laboratory component that allows the student to explore exercises in the principles and concepts of microbiology. This course is designed for students with interests in basic science, microbiology and the medical professions. NOTE: Students may take either BIOL202 or SCIN202 for credit, but not both versions of microbiology. (Prerequisites: BIOL133 or SCIN130)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BIOL202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BIOL240 Elements of Biological Chemistry (3 semester hours)**

This course introduces students to the fundamental principles associated with the structure and function of the macromolecules that sustain living systems. The course will begin with a general introduction to organic chemistry including the molecules and functional groups that set this category of chemistry apart from the others. Topics will then move on to more specific molecules such as carbohydrates, lipids, proteins and nucleic acids along with the cellular processes involved in building and metabolizing these macromolecules. Additional details regarding biology at the cellular and molecular level will include topics such as nutrition, body fluids, pH and cellular respiration. (Prerequisites: CHEM134)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BIOL240>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BIOL241 Cell Biology (3 semester hours)**

This cell biology course will provide a detailed understanding of the fundamental processes of cellular functions. The course will include aspects of prokaryotic and eukaryotic cells as both often share similar mechanisms. In the first half of the course, the focus is on the macro—level with an exploration of basic cell characteristics, cellular membranes, cellular respiration and how cells interact with the environment. In the second half of the course, the focus is on genetics with a look at chromosomes, genes, gene expression, how cell accomplish DNA replication, repair errors that can result in DNA, how cells reproduce, how cells communicate, and finally we will explore the relationship between cancer and the immune system at the cellular level. (Prerequisites: BIOL134 and CHEM134)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BIOL241>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BIOL250 Human Anatomy and Physiology with Lab I (4 semester hours)**

This course is the first of a two-course sequence in human anatomy and physiology. It is an intensive course intended provide knowledge and skills often required in the health sciences, such as sports medicine, physical therapy, EMS, nursing, or physician assistant. The lessons and laboratory exercises focus on the organization of the human body; homeostasis; basic chemistry; cell biology; genetics and heredity; and the integumentary, musculoskeletal, and nervous systems. It also includes a virtual laboratory component. This is a time- and resource-intensive course. Students intending to pursue a career in the health sciences should verify that the BIOL250 and BIOL251 course sequence meets the requirements of their intended program prior to enrollment. NOTE: Students may take either BIOL201 or BIOL250/BIOL251 for credit, but not both versions of anatomy and physiology. (Prerequisites: CHEM133 or SCIN131, and MATH110, MATH111, or MATH225)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BIOL250>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BIOL251 Human Anatomy and Physiology with Lab II (4 semester hours)**

This is the second of a two-course sequence in human anatomy and physiology. It is an intensive course intended to enhance knowledge often needed in the health sciences, such as sports medicine, physical therapy, EMS, nursing, or as a physician assistant). The lessons and laboratory exercises focus on homeostasis; metabolism; acid-base balance; human growth and development; and the body's endocrine, cardiovascular, lymphatic, respiratory, urinary, digestive, and reproductive systems. Students are also required to successfully complete a cumulative assessment of anatomy and physiology objectives from both BIOL250 and BIOL251. This course also includes a virtual laboratory component. NOTE: Students may take either BIOL201 or BIOL250/BIOL251 for credit, but not both versions of the anatomy and physiology courses. (Prerequisite: BIOL250) View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BIOL251>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BIOL301 Molecular Biology (3 semester hours)**

This molecular biology course will provide a detailed understanding of the structure, function, and regulation of DNA, RNA and proteins. The first half of the course will focus on the basic biochemical properties of DNA, RNA and proteins to establish an understanding of how these molecules function. The second half of the course will focus on transcription, translation, and regulation of these processes and finally the real-world application of molecular biology. (Prerequisite: SCIN211)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BIOL301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BIOL302 Viruses (3 semester hours)**

This course will introduce students to the concept of viruses as nonliving parasites that prey upon microbes, plants, and animals. Students will explore various aspects of viruses, including molecular composition and structure, host specificity, viral diseases, and viruses as a cause of genomic evolution. The origins and evolution of viruses will be discussed, including how zoonotic viruses such as Zika and COVID-19 gained the new ability to infect humans. (Prerequisite: BIOL241)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BIOL302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **BIOL404 Synthetic Biology (3 semester hours)**

This interdisciplinary course explores how scientists are working to engineer living organisms. This work includes experimental manipulation to modify individual genes, add foreign genes from other organisms, and construct living systems from non-living components. In this way, organisms are redesigned for useful purposes by engineering them to have new abilities. The course will cover the biological background of gene regulation and experimental methods for the construction of gene circuits. It will also explore practical examples of synthetic biology from medicine, manufacturing, and agriculture. In addition, students will address potential ethical issues that might arise with the construction of entities that fall somewhere between living things and machines or between humans and other organisms. (Prerequisite: BIOL301)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=BIOL404>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## Science (CHEM)

### **CHEM133 General Chemistry I with Lab (4 semester hours)**

This is the first course of a two-course general chemistry sequence that introduces students to the principles, terminology, methodology, and worldview of chemistry. Lecture and lab topics are both descriptive and mathematical and include matter, measurement and problem solving; atomic theory and structure; the periodic table; and nomenclature. Other topics covered in the class are the physical properties of gases, liquids, and solids; molecular bonding and geometry; stoichiometry; thermochemistry; the types of chemical reactions; and solution chemistry. The virtual laboratory exercises in this course are designed to help students to learn how to make qualitative and quantitative observations about physical and chemical phenomena; to make calculations; and to test their own reasoning. Students will also acquire skills in laboratory techniques to reinforce and build upon the concepts presented in class lectures. This is a time- and resource-intensive course. Students intending to use this course to satisfy prerequisites for pre-professional programs should verify that the CHEM133 and CHEM134 course sequence meets the requirements of their intended program prior to enrollment. To be successful in this course, it is recommended that students complete high school chemistry or a basic college equivalent, and they should also be comfortable with basic algebra, including the manipulation of equations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHEM133>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHEM134 General Chemistry II with Lab (4 semester hours)**

This is the second course of a two-course general chemistry sequence that introduces students to the principles, terminology, methodology, and worldview of chemistry. Lecture and lab topics are both descriptive and mathematical and include solution chemistry; chemical kinetics; chemical equilibrium; acids and bases; aqueous ionic equilibrium; free energy; thermodynamics; electrochemistry; radioactivity; and nuclear chemistry. The virtual laboratory in this course is designed for students to learn how to make qualitative and quantitative observations about physical and chemical phenomena, to make calculations, and to test their own reasoning. Students will also acquire skills in laboratory techniques designed to help reinforce and build upon the concepts presented in the lecture portion of the class. This is a time- and resource-intensive course. Students intending to use this course to satisfy prerequisites for pre-professional programs should verify that the CHEM133 and CHEM134 course sequence meets the requirements of their intended program prior to enrollment. In order to be successful in this course, students must have successfully completed CHEM 133 General Chemistry I with Lab or an equivalent course. (Prerequisite: CHEM133)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHEM134>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHEM180 Introduction to Chemistry (3 semester hours)**

This course introduces students to the principles of basic chemistry; the terminology, methodology, and world view of chemistry; and chemistry's practical application to everyday living. Topics discussed in the course include acids, bases, atomic structure, chemical equations, chemical reactions, and chemical language and nomenclature. Other topics that will be covered in the course include gases, molecular structure, solution chemistry, chemical mathematics, organic chemistry, and biochemistry. Also, students will discuss the process of the scientific method and be required to demonstrate science information literacy skills through the creation of a narrated presentation. Topics covered in this course require some comfort with math. This course is time-intensive, so students should ensure they have the time to fully commit to this course if it is used to fulfill the General Education science course requirement.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHEM180>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **CHEM233 Organic Chemistry I with Lab (4 semester hours)**

Fundamentals of bonding, structure, and reactions of organic compounds, including nomenclature, molecular geometry, polarity, conformation, isomerism, functional groups, stereochemistry, reactions and reaction mechanisms, and spectroscopy. Designed primarily for chemical engineering and the biological sciences majors: premedical, pre dental, life sciences, and pharmacy. (Prerequisite: CHEM134)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHEM233>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**CHEM234 Organic Chemistry II with Lab (4 semester hours)**

Emphasis on organic reactions, reaction mechanisms, synthesis, and spectroscopy building on the foundation of Organic Chemistry I, including functional group reactivity of carbonyl compounds, aromatic compounds, organic acids and bases, polymers, and biomolecules. Designed primarily for chemical engineering and the biological sciences majors: premedical, predoctoral, life sciences, and pharmacy. (Prerequisite: CHEM233)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=CHEM234>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Science (ERSC)

## **ERSC180 Introduction to Meteorology (3 semester hours)**

Introduction to Meteorology covers the fundamental principles governing the behavior of our atmosphere and the duties and methods of the professional meteorologist. Students will gain insight into the exciting discipline of meteorology, discussing topics such as cloud formation, movement in the atmosphere, thunderstorms, tornadoes, meteorological satellites, and climate change. Students will discuss the process of the scientific method and also demonstrate science information literacy skills through source selection and creation of a narrated presentation. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ERSC180>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ERSC181 Introduction to Geology (3 semester hours)**

Geology encompasses the study of our planet, and students in this course will explore: how it formed, the nature of its interior, the materials of which it is composed, landforms, earthquakes and volcanoes, geologic resources, and geologic history. Current events that students learn about in the news, ranging from volcanic eruptions, earthquakes, landslides, and more will fit into a larger picture of how Earth works and why such things happen.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ERSC181>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ERSC204 Earth System History (3 semester hours)**

Earth System History explores the amazing history of our planet. Many astonishing events of the geologic past, and the science behind how they came to be understood are examined. The Earth and its inhabitants have undergone continuous change during the last 4.56 billion years. These changes are investigated using an integrated approach that considers the inter-relationships between the solid Earth, atmosphere, hydrosphere, and biosphere. Thus, students learn how our planet became a place where life began and continued to flourish; how change has dominated Earth history; and how continuing changes to Earth's subsystems may challenge us in the future.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ERSC204>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ERSC302 Geomorphology (3 semester hours)**

Geomorphology is the study of the physical features of the Earth's crust. The study of geomorphology helps us understand not only about the earth as it is today, but also as it may have been in the past. Climate change and global warming are hot issues in current events these days, but how do scientists determine the climate is actually changing? Through observation of what we see today, and comparison to what we "see" in the past. This allows us to determine if the climate of the earth has always been like it is today or whether it's changed over time. With that knowledge we can predict how the climate might change (or not) in the future. If global warming and cooling has happened before, then it might happen again. One way to determine past climatic conditions is to study the landscape. What types of landforms are associated with different climatic conditions? The Midwest used to be the bottom of a vast shallow sea; the northern part of our continent was sculpted by glaciers that no longer exist. Understanding geomorphology, gives us insight to the landforms we see today that are the result of processes no longer at work on the landscape. (Prerequisite: SCIN138)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ERSC302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **ERSC304 Remote Sensing and GIS for Earth Sciences (3 semester hours)**

This class introduces students to the fundamentals of remote sensing, geographic information systems (GIS), and associated geospatial technologies and techniques such as global positioning systems and image interpretation. It will provide an understanding of spatial data and its creation, manipulation, and analysis, through a combination of conceptual learning and hands-on exercises that focus on applications in earth and space studies.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ERSC304>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ERSC305 Ocean and Atmospheric Dynamics (3 semester hours)**

This course will explore the fluid mechanical principles guiding the atmosphere and ocean on a global scale. We will examine the inherent variables in the equations of motion, hydrostatic equations, and balanced flow principles. An examination of the atmospheric general circulation will be discussed including vertical and horizontal structure of temperature, pressure and density as well as a discussion on the dynamics of convection. Ocean dynamics will be discussed including the air-sea interaction, thermohaline circulation and ocean heat budget and transport.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ERSC305>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ERSC401 Natural Hazards and Society (3 semester hours)**

The purpose of this course is to introduce the student to the complex relationships between the natural hazards of earth processes that have direct, and often sudden and violent impacts on human society. The course integrates principles of geology, hydrology, meteorology, climatology, oceanography, soil science, ecology and solar system astronomy. This class describes the earth processes that drive hazardous events in an understandable way, illustrates how these processes interact with our civilization, and describes how we can better adjust to their effects. Examples and case studies are taken from international and U.S. experiences, along with how societies adjust to natural hazards. (Prerequisites: GEOG103 and ERSC302)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ERSC401>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ERSC402 Earth and Planetary Sustainability (3 semester hours)**

This course introduces students to the principles of planetary sustainability. Students explore various aspects of sustainability, including energy use, industrial processes, waste generation and disposal, and the built environment. As part of the focus on solutions, the course introduces students to tools society can use to attain and implement sustainable practices, such as policy, law, education and communication, marketing, research advocacy, and international agreements and collaboration.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ERSC402>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Science (GEOG)

## **GEOG101 Introduction to Geography (3 semester hours)**

This course is a basic overview of the geographer's study of the location and distribution of features on the Earth's surface. These features are both natural and man-made, both physically and culturally determined. The relationship of people and place is central to an understanding of human history, contemporary events, and possible global futures. As an introductory course it covers the whole globe and all its greatest geographic features and relationships. This dictates that the approach is broad and not too deep. However, knowledge of the geographer's art will enable students to delve as deeply as their interest and energy will allow, into the dynamic spatial realities that surround them.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=GEOG101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **GEOG103 Physical Geography (3 semester hours)**

Physical Geography includes the study of processes of the atmosphere, hydrosphere, lithosphere and biosphere. Specific topics include maps and map reading, temperature cycles, storms formation, plate tectonic theory, structures of volcanoes, flooding, coastline formation, glaciations, ice ages, and the distribution of plants and animals on the planet. This course is an excellent choice for anyone with interest in environmental studies, natural hazards and the science behind earth processes. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=GEOG103>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **GEOG200 Fundamentals of Geographic Information Systems I (3 semester hours)**

The term "Geographic Information System" refers to the synthesis of information (data), software, and hardware for the express purpose of better understanding the world in which we live. Data are collected and managed within this system, and are ultimately used to question, analyze, and interpret patterns that occur throughout physical space. The interaction between different types of data reveals patterns and relationships that are not otherwise readily detectable. This course will provide students with the theoretical concepts necessary for advancement in the field of GIS, and further enhance their experience in a wide range of multidisciplinary endeavors. Note: This course requires students to install software on a Windows-based computer (Windows 7 or higher) in order to complete assigned course work.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=GEOG200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **GEOG201 Fundamentals of Geographic Information Systems II (3 semester hours)**

This course builds upon principles covered in Fundamentals of GIS I and will provide students an emphasis of hands-on Geographic Information Systems (GIS) experience while solidifying the foundation of the concepts learned in Fundamentals of GIS I. The objectives of this course are to begin establishing a solid foundation in the operation of GIS systems and to teach organizational skills needed for successful GIS project management.

Overall this course prepares the student for learning beginning and intermediate functional applications of GIS as well as spatial data analysis. Note: This course requires students to install software on a Windows-based computer (Windows 7 or higher) in order to complete assigned course work.

(Prerequisite: GEOG200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=GEOG201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## Science (PHYS)

### **PHYS133 Elements of Physics I with Lab (4 semester hours)**

This fundamental Physics course is the first of two courses that examine basic Physics using algebraic techniques. Topics include Mechanics, Fluids, Oscillations, Waves, Temperature, Heat, and thermodynamics. The course involves study through hands-on laboratory experiments designed to help reinforce and build upon the concepts presented in the lectures. NOTE: In addition to the laboratory equipment provided as part of the course materials, students will need access to the following: paper towels, water, a freezer, a stove top, a pot, a pencil and crushed ice. (Prerequisites: MATH110, MATH111, or MATH225)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHYS133>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PHYS134 Elements of Physics II with Lab (4 semester hours)**

This fundamental physics course is the second of two courses that examine basic physics using algebraic techniques. The course covers electric forces and fields, electric currents and circuits, magnetic forces and fields, electromagnetic induction, alternating current, electromagnetic waves, reflection and refraction of light, optical instruments, interference and diffraction, and an introduction to quantum and particle physics. NOTE: In addition to the laboratory equipment provided as part of the course materials, students will need access to the following: pencils, a printer, several sheets of paper and water. NOTE: This course requires the student to purchase additional materials that are not covered by the book grant. Please refer to the Course Materials section for additional details. (Prerequisite: PHYS133)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHYS134>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **PHYS180 Introduction to Physics (3 semester hours)**

This course is designed as an introduction to classical physics for non-scientists. Students will learn to apply Newtonian principles to the basic topics of motion, gravitation, momentum, work, energy, heat, wave behavior, sound, light, electricity, and magnetism. Basic algebra will be used in the course to demonstrate how mathematics can describe and predict the real-world behavior of objects from electrons to planets. Students will also be expected to relate physics principles to their daily lives. Also, students will discuss the process of the scientific method and must demonstrate science information literacy skills through the creation of a narrated presentation. Topics covered in this course require some comfort with math. This course is time-intensive, so students should ensure they have the time to fully commit to this course if it is used to fulfill the General Education science course requirement.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=PHYS180>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



## Science (SCIN)

### **SCIN120 Foundations of Scientific Inquiry Laboratory (1 semester hours)**

This course provides an introductory laboratory experience for students who have previously completed a course in the natural sciences (biology, chemistry, physics, earth science, or astronomy) and require a laboratory experience to meet the general education natural sciences requirement for their degree. Students will discuss and apply the steps of the scientific method to activities and simulations drawn from across the natural sciences. Students will also review and demonstrate science information literacy skills through source selection, critical thinking, and writing. Note: Enrollment in this course is limited to incoming transfer students. Contact the Transfer Credit Department at [CreditAward@apus.edu](mailto:CreditAward@apus.edu) for information and registration instructions. This course may only be taken once for credit.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN120>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN130 Introduction to Biology with Lab (4 semester hours)**

This course introduces students to biological systems in their natural environments. The course offers an understanding of biological principles and the properties of life. The topics covered in this course include the structure and function of plants and animals; cell biology principles; genetics; reproduction; development and growth; biological diversity; the principles of evolution; and interactions among organisms and with their environment. The course will also include online lab work, which is designed to reinforce the concepts in the assigned reading. The lab involves study through interactive simulations, videos, and animations, which will be provided to students throughout the course. Topics covered in this course require some comfort with math. This course is time-intensive, so students should ensure they have the time to fully commit to this course if it is used to fulfill the General Education science course requirement.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN130>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN131 Introduction to Chemistry with Lab (4 semester hours)**

This course introduces students to the principles of basic chemistry; the terminology, methodology, and worldview of chemistry; and chemistry's practical application to everyday living. Topics covered in this course include acids, bases, atomic structure, chemical equations, chemical reactions, and chemical language and nomenclature. Students will also learn about gases, molecular structure, solution chemistry, chemical mathematics, organic chemistry, and biochemistry. This course will also include lab work, designed to help students to learn how to make qualitative and quantitative observations about physical and chemical phenomena, make calculations, and test their own reasoning. Through interactive virtual laboratories, students will acquire skills in laboratory techniques and critical thinking that will build upon the concepts in the class. Topics covered in this course require some comfort with math. This course is time-intensive, so students should ensure they have the time to fully commit to this course if it is used to fulfill the General Education science course requirement.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN131>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN133 Introduction to Physics with Lab (4 semester hours)**

This course offers an introduction to classical physics for non-scientists. Students will learn to apply Newtonian principles to the fundamental topics of motion, gravitation, momentum, work, energy, heat, wave behavior, sound, light, electricity, and magnetism. Basic algebra will be used in this course to demonstrate how mathematics can describe and predict the real-world behavior of objects ranging from electrons to planets. Students will be expected to relate physics principles to their daily lives. Through interactive simulation software, lab exercises will teach students how to take measurements, make observations about physical phenomena, make calculations, and test out their own reasoning. Topics covered in this course require some comfort with math. This course is time-intensive, so students should ensure they have the time to fully commit to this course if it is used to fulfill the General Education science course requirement.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN133>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN134 Introduction to Astronomy with Lab (4 semester hours)**

This course will introduce students to the wonders of the universe. Topics covered in this course will involve deciphering the movement of objects in the sky; learning how astronomers decode the light coming to us from distant objects; exploring the Earth and other bodies in our solar system; and investigating the properties and structure of stars, galaxies, and the universe. Students will be encouraged to develop a conceptual understanding of these topics beyond the mere memorization of facts. With lab work and online tools, students will engage in astronomy inquiries and learn how astronomers work by asking research questions, collecting data, and defending evidence-based conclusions. This course is conceptual in nature, but students should expect to use some mathematics. Completion of at least college algebra prior to taking this course is highly recommended. This course has a required prerequisite of MATH111. Topics covered in this course require some comfort with math. This course is time-intensive, so students should ensure they have the time to fully commit to this course if it is used to fulfill the General Education science course requirement. (Prerequisite: MATH111)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN134>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN137 Introduction to Meteorology with Lab (4 semester hours)**

Introduction to Meteorology covers the fundamental principles governing the behavior of our atmosphere and the duties and methods of the professional meteorologist. Students will gain insight into the exciting discipline of meteorology, discussing topics such as cloud formation, movement in the atmosphere, thunderstorms, tornadoes, meteorological satellites, and climate change. The Meteorology laboratory will take the student deeper into the aspects of our weather through the study and exploration of our atmosphere via online interactive modules prepared by professional meteorologists. Topics to be discussed range from hurricane formation and the impacts of extreme weather to forecasting local weather and toxic pollution. The online laboratory modules increase the student's awareness of our planet through hands-on activities.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN137>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN138 Introduction to Physical Geology with Lab (4 semester hours)**

Geology encompasses the study of our planet, and students in this course will explore: how it formed, the nature of its interior, the materials of which it is composed, landforms, earthquakes and volcanoes, geologic resources, and geologic history. Current events that students learn about in the news, ranging from volcanic eruptions, earthquakes, landslides, and more will fit into a larger picture of how Earth works and why such things happen. The laboratory component of the course provides students with practical activities which reinforces the content of the course in a virtual format. (Prerequisite: MATH111)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN138>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN140 Introduction to Environmental Science with Lab (4 semester hours)**

This course will give students the opportunity to learn and connect with the central issues of environmental science. This is a course primarily for the non-scientist. The basic concepts of ecology, geography, chemistry, economics, ethics, policy, and many other disciplines will be used to examine the overarching role that humans play in our planet's environmental problems and successes. The laboratory exercises will allow students to use hands-on, field, and/or Internet resources to collect and evaluate qualitative and quantitative data regarding the human-environment relationship. Lifestyle examination, ethical considerations, and critical analysis of individual contributions to local and global impacts in regards to environmental sustainability will be emphasized in the laboratory portion of this course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN140>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN202 Introduction to Microbiology (3 semester hours)**

Introduction to Microbiology includes the study of the history of microbiology, as well as the fundamentals of microbe staining, culture, and growth. We will also focus on sterilization, disinfection and antimicrobial therapies that help to keep microbes in check. Finally, we will focus on microbial infections of the skin, eyes, and wounds as well as the urogenital, respiratory, oral gastrointestinal and nervous systems. NOTE: Students may take either BIOL202 or SCIN202 for credit, but not both versions of microbiology. (Prerequisites: BIOL133 or SCIN130)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN206 Marine Biology (3 semester hours)**

This course covers key principles and topics in oceanography and marine biology. It is focused on applied problems; it will use problems involving the basic biology of organisms, taxonomy, marine ecosystems, pollution, fisheries, aquaculture and sustainable marine resources to investigate topics in marine biology. (Prerequisites: SCIN130 or BIOL134)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN206>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN211 Principles of Genetics with Lab (4 semester hours)**

This course is an introduction to the basic principles of human genetics and heredity. Students will investigate both classical Mendelian genetics and modern molecular genetics. Topics include the transmission of genes from one generation to the next, the molecular structure of genes, the regulation of gene expression, genes and cancer, genetic technology, genetically modified foods, gene therapy and population genetics. The course is designed for all students interested in human genetics, the application of genetic principles and genetic technology. (Prerequisites: BIOL133 or SCIN130)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN211>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN233 Physics I with Lab (4 semester hours)**

This fundamental Physics course is the first of two courses that examine basic Physics using Calculus techniques. Topics include Mechanics, Fluids, Oscillations, Waves, Temperature, Heat, and Thermodynamics. The course involves study through interactive simulation laboratories designed to help reinforce and build upon the concepts presented in the lectures. (Prerequisite: MATH225)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN233>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN234 Physics II with Lab (4 semester hours)**

This fundamental physics course is the second of two courses that examine basic physics using Calculus techniques. The course covers Electric Forces and Fields, Electric Currents and Circuits, Magnetic Forces and Fields, Electromagnetic Induction, Alternating Current, Electromagnetic Waves, Reflection and Refraction of Light, Optical Instruments, Interference and Diffraction, and an Introduction to Quantum and Particle Physics. (Prerequisites: SCIN233 and MATH226)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN234>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN311 Fishery Biology (3 semester hours)**

This course will present the principles and methods used in studying the biology of fishes, the ecological requirements of freshwater and anadromous fishes, and the principles and practices in sport fishery management. Students will participate in case studies and critically analyze existing fisheries management plans to ascertain their effectiveness and scientific validity. This course will also emphasize the value of collaboration in effective fisheries management. (Prerequisites: BIOL134, SCIN130, or SCIN206)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN314 Botany (3 semester hours)**

An introduction to the structure, processes, and reproduction of higher plants with an emphasis on flowering plants. This course will use an integrative approach to examine the relationships between structure and function, diversity, and evolution. (Prerequisites: SCIN130 or BIOL134)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN314>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN316 Plant Identification, Taxonomy, and Systematics (3 semester hours)**

An introduction to classification and evolution of vascular plants, with emphasis on flowering plants (angiosperms). This course will use structural terminology, characteristics of major plant families, and systematics. Student will use taxonomic keys, floras, and manuals for species identification. (Prerequisites: SCIN130 or BIOL134)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN316>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN400 Research Methods in Natural Sciences (3 semester hours)**

This course focuses on providing students with the essential elements of scientific research and matters associated with the scientific method; experimental and non-experimental research design; and statistical data analyses. Students will become familiar with the current methodologies, tools, and instruments of modern research, such as sampling, test design, data collection reporting, and the scientific writing process. In addition, each student will develop a proposal to conduct an original research project in the field of natural sciences. This proposal will then be used as the basis for an independent research project in SCIN499. The University recommends that students do not attempt this course until they have completed all required courses for the natural sciences major and all required courses in the biology or earth science concentration. (Biology concentration prerequisites are BIOL240, BIOL241, EVSP416, SCIN202, and SCIN211. Earth Science concentration prerequisites are GEOG200, SCIN138, and SCIN261.)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN400>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN401 Mammalogy (3 semester hours)**

The goal of this course is to introduce students to the biology of the class Mammalia. The course will include a survey of the origins, evolution, diversity, and adaptations of mammals to diverse environments. Topics include taxonomy, reproduction, sensory perception, herbivory, population cycles and behavior. Students will use case studies to apply the concepts of mammalogy to broader problems of species management, biodiversity, and the effects of development and habitat fragmentation on mammals. (Prerequisites: SCIN130 or BIOL134)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN401>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN402 Ornithology (3 semester hours)**

Ornithology is the study of the anatomy, physiology, and behavior of birds. In this course, students will integrate ornithological study with the principles of bird conservation and management. Students will learn to identify birds by sight and call, and will learn the names of the major orders and families of birds throughout the world. (Prerequisites: SCIN130 or BIOL134)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN402>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCIN499 Senior Seminar in Natural Sciences (3 semester hours)**

Instruction in analysis and presentation of original scientific research. Each student will carry out an original independent research project which was proposed in SCIN400. After data collection, each student will analyze and interpret data collected from the experimental project executed as part of this upper-level course. Each student will prepare a scientific paper and a live webinar presentation of their research. This is considered the capstone course for students completing majors within the natural sciences. (Prerequisites: SCIN400 and completion of a minimum of 106 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCIN499>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Science and Society (STEM)

## **STEM100 Introduction to STEM Disciplines (3 semester hours)**

This course provides students a chance to explore an array of topics and disciplines across science, technology, engineering and mathematics (STEM) and provides a solid exploration of the STEM industry and career opportunities through undergraduate study. Students will be introduced to major areas of STEM, covering the fundamental concepts of each discipline, and how STEM topics are integrated into non-STEM areas. Additionally, students will be introduced to career avenues, expectations of career readiness, career satisfaction, and professional communication. There is an emphasis on developing an understanding of personal interests, skills, and abilities, with a focus on helping students find their passion through self-reflection and self-assessment. Additionally, this course is designed to foster community among students from a variety of majors.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=STEM100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **STEM185 The History and Context of STEM (3 semester hours)**

This course offer students the opportunity to delve into the history and context of the STEM disciplines. The course will review not only the definition of STEM (Science, Technology, Engineering, and Mathematics), but the history of the individual study areas and their progression toward a unified field of study. The course will delve into the similarities that helps to unite these fields as well as the distinct differences that separate them. Students will be exposed to a wide range of topics as the course looks at different key timeframes in STEM, such as 19th century America and Europe as well as today. STEM185 and HIST270 are considered equivalent courses. Beginning January 2023, students may only take one of these courses for credit.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=STEM185>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **STEM193 Independent Study for Associates Students (3 semester hours)**

The University occasionally offers an independent study course to associate degree students in response to student interest, providing an opportunity for students to study their chosen subjects under the guidance of a faculty mentor. These courses are limited in their offerings and scope, and the format will vary based on the student's interest and the topics to be covered in the course. Approval of the Department Chair is needed prior to enrollment.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=STEM193>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **STEM194 STEM Special Topics for Associate Students (3 semester hours)**

Special Topics courses are offered occasionally, in response to student interest, on emerging topics. These courses are limited in their offerings and scope, and the format will vary based on the student interest and the topics to be covered. Enrollment by Program Director approval.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=STEM194>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **STEM195 STEM Internship for Associate Students (3 semester hours)**

Participating in an internship provides students with a valuable educational and professional opportunity. During internships, students explore and gain hands on experience in a field they have an interest in working within. Within the School of Science, Technology, Engineering, and Math the primary responsibility for finding an internship belongs to the student, however there are a number of resources in place to help you in your search, and with the application process.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=STEM195>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **STEM270 Thinking and Acting Ethically (3 semester hours)**

This course offers students a chance to delve into ethics from many approaches. Every day, an individual's ethics may be challenged, and this course will do its best to provide a foundation on which students can develop a personal set of ethics. The course covers various ethical frameworks, reviews the ethical challenges individuals are likely to encounter in their daily or professional lives, and explores solutions based on ethical principles.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=STEM270>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **STEM280 Exploring Society and Cultures via Science Fiction (3 semester hours)**

This course offers students with a unique approach into the societies and cultures that we could progress toward in the future via the review of the science fiction genre. This course will review many aspects of technological questions that society will face in the future. Does the rise of technological advancements in artificial intelligence and robotics eventually bring us to a point where we must decide what is life and the right to self-determination as the Star Trek: TNG series covered in "The Measure of a Man", laying out the rights of Commander Data. This is just one of many aspects of society and culture that will be examined throughout the course as students are made to think critically about what will the future look like.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=STEM280>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **STEM380 Coevolution of Society, Culture, and Technology (3 semester hours)**

This course will expose students to how since the earliest days of mankind, technology and technological advances have helped to mold our society and guide our prosperity, but also to the goals of the society in driving the development and progression of technology as well. This course will review the various periods of time, where the world leaped forward in their understanding of the world around them and how they could harvest the world around them to advance their own world. This course will also reveal the potential conflicts of complex relationships between technology and society, looking at such topics as global warming, artificial intelligence, nuclear weapons, and many other potentially dangerous technological advances.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=STEM380>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **STEM470 Cybersecurity, Surveillance, Privacy and Ethics (3 semester hours)**

This course offers an opportunity for students to look into the surveillance that takes place at all levels in today's world. The course will first review the collection of surveillance technologies such as CCTV, border control, traffic cameras, etc. The course will then continue onward to look into such innocuous and hidden data collection such as website analytics, app data collection, online identity databases, and more. These topics will be viewed not only from the collection standpoint but also from a privacy standpoint and an ethical standpoint. Students will study these data collections and look at the rationales for their collection and be encouraged to justify or refute these collections on an ethical or privacy basis.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=STEM470>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **STEM471 Analytics, Algorithms, AI, and Humanity (3 semester hours)**

This course offers students a unique peek into the world of artificial intelligence and analytics without all of the mathematics. The course will review the advancement of artificial intelligence technology in such fields as facial recognition, neural networks, self-driving vehicles, and the controversial Deep Fakes. The course will then continue to delve into the analytics and algorithms that drive our daily lives and that we willingly feed more and more data to. From Facebook Likes to shopping cart analysis and prediction, this course will review the ways we interact knowingly and unknowingly with these technological advances and the effects that they are having on humanity as a whole.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=STEM471>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **STEM493 Independent Study for Bachelors Students (3 semester hours)**

Bachelor's students can pursue an independent study course, which the University occasionally offers in response to student interest. Students have the opportunity to study their chosen subjects under a faculty mentor's guidance. These courses are limited in their offerings and scope, and the format will vary based on the student's interest and the topics to be covered in the course. Approval of the Department Chair is needed prior to enrollment.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=STEM493>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **STEM494 STEM Special Topics for Bachelors Students (3 semester hours)**

Special Topics courses are offered occasionally, in response to student interest, on emerging topics. These courses are limited in their offerings and scope, and the format will vary based on the student interest and the topics to be covered. Enrollment by Program Director approval. September 2021 - Heading off Extinction: Primate Biology, Ecology, and Conservation October 2023 - "Exoplanet Investigations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=STEM494>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**STEM495 STEM Internship for Bachelors Students (3 semester hours)**

Participating in an internship provides students with a valuable educational and professional opportunity. During internships, students explore and gain hands on experience in a field they have an interest in working within. Within the School of Science, Technology, Engineering, and Math the primary responsibility for finding an internship belongs to the student, however there are a number of resources in place to help you in your search, and with the application process.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=STEM495>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



# Security Management (SCMT)

## **SCMT101 Introduction to Security Management (3 semester hours)**

This course is an introductory course to the Security Management field and is designed to familiarize students with the profession as well as to provide an overview of security measures used in the industry. Emphasis is placed on distinguishing the terminology used in the security industry. The student will be exposed to such topics as the privatization of public safety, use of technology and physical security, contract and proprietary security, executive protection, special event security, access control, integrated security systems, and the need for assessing vulnerabilities to increase the security posture of an organization.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT101>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SCMT150 Transportation and Border Security (3 semester hours)**

This course is designed to provide the student with an understanding and knowledge of modern transportation and border security challenges as well as techniques to combat those challenges. The course will address changes in infrastructure technology as well as the technology that TSA has to respond to events. We will explore prevention, detection, response, and mitigation. Transportation and border systems of particular interest in this course include, but are not limited to: seaports, ships, airports, aircraft, train stations, trains, railways, highways, bridges, trucks, buses, and pipelines. Students will emerge with a greater understanding of potential threats to our borders and transportation systems, as well as preparation and responses to these threats.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT150>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SCMT301 Foundations of U.S. Government Security (3 semester hours)**

This course offers the student an overview of many of the primary laws and policies, which drive the U.S. Government's security apparatus. There is a vast array of policy covering security topics, which are promulgated throughout numerous U.S. Government agencies. Topics will include the U.S. Constitution, Executive Orders, Presidential Decision Directives, and the National Industrial Program Security Operating Manual. The student will gain an appreciation for the complexities involved in securing U.S. Government sponsored facilities, personnel and information.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SCMT302 Protecting U.S. Government Facilities (3 semester hours)**

This course offers the student an in-depth look into the construction and security management requirements of a wide range of United States Government sponsored facilities (domestic and overseas). This course includes coverage of a wide array of natural and man-made threats that must be considered in facility construction as well as special requirements for constructing facilities designed for the protection of classified information. Additionally, this course will cover facility security management procedures and build upon the student's existing knowledge of basic physical security principles. The student will gain an appreciation for the wide range of facility security applications across the federal government.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT302>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SCMT303 U. S. Government Personnel Security (3 semester hours)**

Personnel Security (PERSEC) is the fundamental program in government security that provides a process for vetting and maintaining individuals' suitability, reliability, and trustworthiness. This course offers the student an in-depth exploration of the steps to gaining access to United States National Security information, facilities and Information Systems. Basic requirements for access with emphasis on the National Industrial Security Program Manual (NISPOM) PERSEC process, as well as processes utilized by the Intelligence Community for Access to Sensitive Compartmented Information (SCI) and the Special Access Program (SAP) communities will be covered.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT303>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **SCMT319 Global Terrorism (3 semester hours)**

This course examines various elements and aspects of International and Domestic Terrorism. Students explore the cultural and ideological philosophies, as well as the social, economic, political, and religious conditions of select states, groups, and individuals that comprise the phenomena of terrorism. By examining the historical and contemporary aspects of terrorism students develop a working knowledge of the current Global War on Terror and are better prepared to comprehend terrorist motives and ideologies. Topics include: History and Development, Types of Terrorism, Conventional and Unconventional terrorist tactics, the Media's impact on terrorism including the US Counterterrorism Policies. Particular attention is addressed to the Al-Qaeda terrorist network.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT319>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCMT370 Principles and Theory of Security Issues (3 semester hours)**

This course is an overview of the principles and issues in business and organizational security management. It reviews the classical management functions including the role of the Chief Security Officer and the principles of organizing the security function. It assesses the traditional management theories and concepts of planning, staffing, span of control as they are applied to the organization. Students examine the challenges embodied in various aspects of physical, personnel, and information security. Principles of loss prevention and the protection of assets are also considered. The history, legal foundations, functions, operations, processes, and tools of security management are explored to ensure the student has a broad understanding of security management and its current role in government and business operations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT370>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCMT371 Legal and Ethical Issues in Security Management (3 semester hours)**

This course assesses legal and ethical issues that inevitably affect security managers. It examines dimensions of security management including pertinent points of civil and criminal law, personnel law and obligations, negotiations, contract management, constitutional rights of individuals, legal compliance, liability, ethical standards and dilemmas, and decision-making.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT371>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCMT373 Evaluation of Security Programs (3 semester hours)**

This course explores industry standards, practices and methods of determining the adequacy of security management programs. It reviews the interplay of management structures, functions and processes as well as proper procedures for conducting physical security analyses and evaluations. The course examines the principles of operating technology-centered programs for the protection of assets.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT373>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCMT374 Contemporary Issues in Security Management (3 semester hours)**

This course focuses on the contemporary issues of security management such as substance abuse, violence, ideologies, adjudication and reconsideration reviews, security countermeasures, case management, use of examinations such as polygraphs, report writing, international commercial sales, and media relations. It also addresses the security manager's role in personnel management, security planning, organizational communication, recruitment, retention, training and development, and management of contracts, as well as examines techniques and tools that help security managers understand bias, educate, and shift attitudes of employees towards more proactive security practices.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT374>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCMT379 School and Campus Security (3 semester hours)**

Over the last several years, the perception of safety has been challenged by a series of high profile critical incidents, litigation, legislation and the protection of the 2nd Amendment, right to bear arms. Officials at educational and all types of institutions must be prepared to manage every day security issues while planning for high impact scenarios such as terrorism and active shooter/ mass casualty incidents. Students will explore risk management and emergency management protocols, the threat assessment process, crisis and recovery measures, and become aware of the Department of Homeland Security protocols for active shooters/mass casualty incidents. Students will be required to take the web-based FEMA Active Shooter training and upon successful completion will receive a FEMA certification. This course will benefit students in the educational, criminal justice, security management, emergency management and, homeland security fields of study.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT379>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCMT390 Security Administration (3 semester hours)**

This course focuses on principles and practices that security managers can put to immediate use. The bedrock requirements of effective organization, staff selection, and daily operating procedures are emphasized over abstract concepts. Topics include guard operations, plans, policies, and procedures, workplace violence, managing change, bomb threat management, security awareness training, physical security, securing information systems, investigations, and employee screening.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT390>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCMT392 Industrial Espionage (3 semester hours)**

Industrial espionage results in millions of dollars in lost revenue each year. This course provides a brief history of espionage and examines the World Wide Web as an enabler of espionage, the role of governments in industrial espionage, the rise of the competitive intelligence professional, tensions between openness and security, and the Economic Espionage Act of 1996.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT392>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCMT396 Protective Services (3 semester hours)**

Executive protection is a growth industry. This course provides a thorough overview of the subject. Topics covered include basic principles, threat assessment, risk analysis, training opportunities, finding employment, organization and management of a protective services detail, working the principal, home and office security, technological considerations, vehicle security, conducting an advance, domestic and international travel, firearms selection and training, and self-defense fundamentals.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT396>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCMT397 Physical Security (3 semester hours)**

Effective physical security is based on an accurate threat assessment followed by the implementation of an overlapping system of physical and electronic safeguards designed for the specific needs of the client. Topics covered include threat assessment, the security survey, architectural design for security, physical and electronic security methodologies, security lighting, perimeter protection and the guard force, clear zones, wall materials, signage, and the importance of effective and continuous local, state, and federal governmental liaison.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT397>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SCMT498 Senior Seminar in Security Management (3 semester hours)**

The Capstone course is a senior level course designed to allow the student to review, analyze and integrate the work the student has completed toward a degree in Security Management. The student will complete an approved academic project or paper that demonstrates mastery of their program of study in a meaningful culmination of their learning and to assess their level of mastery of the stated outcomes of their degree requirements.

NOTE: All required, core, and major courses must be completed prior to enrollment in this course. Prerequisite: Completion of a minimum of 106 hours towards your program.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMT498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## Social Science (ANTH)

### **ANTH100 Introduction to Anthropology (3 semester hours)**

This course introduces students to human nature and behavior from the broad, holistic perspective of contemporary U.S. American anthropology. The four primary sub-fields of anthropology, biological, cultural, linguistics, and archaeology, will be discussed in order to integrate various aspects of the human condition.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ANTH100>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ANTH200 World Archaeology (3 semester hours)**

This course is a worldwide survey of prehistoric cultural adaptations from the first use of bone and stone tools to the ancient mysterious civilizations of Asia, Africa, the Americas, and Europe including recent archaeological discoveries. Emphasis is on the development of technologies, social groups and the patterns of cultural development. Archeological excavation methods and archeological artifacts are discussed in considerable detail. Archaeological concepts and skills will be explored through simulations as well as virtual field trips and activities.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ANTH200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ANTH202 Introduction to Cultural Anthropology (3 semester hours)**

This course is designed to acquaint the novice anthropology student with anthropology and its various sub-fields, examining cross-cultural, global, comparative, and critical perspectives on human behavior and culture, as well as the diversity of human cultures from hunter-gatherers to industrialized city dwellers. The implications of socio-cultural analysis of economic, social, symbolic, and religious systems are also considered.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ANTH202>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **ANTH203 Introduction to Forensic Anthropology (3 semester hours)**

Forensic anthropology is the application of physical anthropology in a medico-legal context; forensic anthropologists use the tools of archaeology and physical anthropology to discover, recover and identify human remains. Students will be exposed to the interdisciplinary, scientific basis of forensic anthropology, along with legal and ethical issues forensic anthropologists face. The course is designed to give students a broad overview of the field by introducing them to the process of human remains identification; the archaeological and laboratory methods incorporated in human remains recovery; and, a review of the work forensic anthropologists work do with law enforcement, forensic pathologists and odontologists in recovering and collecting victims of foul play as well as those of mass fatalities, such as the 9/11 terrorist attack on the World Trade Center.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=ANTH203>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Sociology (SOCI)

## **SOCI111 Introduction to Sociology (3 semester hours)**

Introduction to Sociology introduces students to the sociological investigation of human interaction and behavior in society. Students will become familiar with the sociological perspective and develop a 'sociological imagination' – the ability to see the general in the particular, the new in the familiar, and to observe the impact social forces have on our lives. The course explores environmental, historical, cultural, and organizational influences on our interpersonal relationships and life-patterns within the context of contemporary society. Students will learn how to use sociological concepts, theory and research to think critically about individuals, groups, institutions, and societies in any given situation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI111>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SOCI212 Social Problems (3 semester hours)**

This course examines a diverse sample of social problems facing the United States today and identifies how these problems affect, and are affected by, our institutions and culture. The sociological perspective and key theories will be used to understand the beginnings of the civil society, how problems develop and are defined, and the role of social change (particularly contemporary technological innovation). Key social problems covered will include social stratification/inequality, crime, drug abuse, prostitution, aging, infectious disease, family violence, health care, racial/ethnic conflict, terrorism, etc. Sociological research on social problems will be explored, and social policies to remedy the negative consequences of these issues on society will be discussed.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI212>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SOCI213 Society, Interaction, and the Individual (3 semester hours)**

This course surveys sociological theories and research on the relationship between the individual and society. It is a sociological approach to social psychology, emphasizing symbolic interactionism and social constructionism. Students will learn how individuals participate in the construction of society through interaction and the impact of cultures and social structure on our everyday lives including individual behavior in group processes. Core topics covered will include the Social Construction of Reality, Ethnography and other key methods in Symbolic Interactionism; the Self in Context; the Sociology of Emotions; Interaction and inequality.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI213>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SOCI214 Stratification and Inequality (3 semester hours)**

This course will critically examine the causes, processes and patterns of social inequality in society. Social stratification explores inequality through the lens of social class, gender, race-ethnicity, sexuality, age, and wellness. Students will use sociological theory and applied research to explore the various ways hierarchies are produced and maintained among people within the social structures such as the economy, religion, education, and family in the United States. Students will also consider the impact of globalization on the distribution of power and access to resources in the United States.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI214>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SOCI215 Social Deviance (3 semester hours)**

This course is a critical examination of the relationship between deviance and social control. It will include how and why certain forms of behavior come to be known as deviant, it will analyze the nature of formal and informal responses to deviance, and explain the interaction of different social control institutions. Special attention will be given to an overview of general theories of deviance, and the particular forms it takes.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI215>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI220 American Popular Culture (3 semester hours)**

This course is a contemporary study of popular culture in America – its development and characteristics, its role in shaping our individual lives and key social institutions; and its broad effects on our globalizing world. The course is designed around the interdisciplinary nature of cultural studies, and students will learn how to use key concepts and theories to examine popular culture from a number of different fields including Sociology, Anthropology, Communications, History, Cultural Studies, English, Women's Studies, Ethnic Studies, and American Studies. Students will develop the skills to analyze the reciprocal relationship between culture and key stratification factors such as gender, race, ethnicity, class, age, region and sexuality. The course will cover many facets of popular culture from all forms of media, to sports, fashion, and the influence of technology. Students will learn to situate popular culture within its social, historical, political, and economic contexts and their personal lives.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI220>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI303 Classical Sociological Theory (3 semester hours)**

This course examines the transition from social philosophy to sociology with special emphasis on the European theorists in the nineteenth and early twentieth centuries.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI303>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI305 Contemporary Sociological Theory (3 semester hours)**

This course offers a general survey of recent developments in social theory since the 1960's. It covers a variety of theories that have been or are influential in the social sciences. Focus will be directed towards both those social theories that have sought to understand modernity as a social epoch and those that claim we have entered a new postmodern era. Differences between European and American approaches will be considered as the substance of the course is developed.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI305>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI306 Race and Ethnicity (3 semester hours)**

This course is a critical analysis of the structure of racism, stratification, hate violence, youth violence, poverty and human rights, stereotyping and ethnocentrism in the contemporary United States. Students examine the outstanding problems facing society and strategies for change, including an exploration of the ethics of intervention.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI306>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI307 Sociology of Aging (3 semester hours)**

In this course the social construction of age and aging in the U.S. will be examined. The sociological perspective will be used to explore social problems associated with aging and the elderly, the influence of various social institutions on older adults, and sociological theories and research associated with aging. The course will also examine the impact of government, healthcare, the media, and various social factors such as race and gender on the experiences of older adults.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI307>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI310 Military Sociology (3 semester hours)**

This course will examine the military through the lens of sociological theory, specifically focusing on social factors associated with military membership, collective narratives of military members as well as the complex relationships between civilian and military stratification. Comparisons will examine life inside and outside the military including studies of families, veterans, and retirees. Complex social issues and movements key to military history will also be explored including the evolution of combat, human ethics, gender, race, and sexual identity.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI311 Political Sociology (3 semester hours)**

Political Sociology examines the broad social bases of politics and identifies how politics and actions by government can influence the fate of nations and their citizens. These influences include, but are not limited to, power and authority, economic policy, equality, forms of political rule, access to the political process, and the roles of political parties.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI312 Organizational Sociology (3 semester hours)**

This course examines the nature of formal organizations in society. Organizations are a distinct form of modern society and human interaction. They shape us as individuals, and they affect the structure of society. Students will explore key organizational sociological literature and apply it to practical case studies in areas such as fast food, the military, politics, religion, education, and social movements, their structures and outcomes. Key substantive areas of analysis will include organizational processes, such as power, leadership and change, and organizational environments and inter-organizational relationships.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI312>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI315 Food and Culture (3 semester hours)**

This course is a theoretical and empirical exploration of human food choices from an ecological, political and sociological perspective. Students will examine food taboos and cravings, with their social, ideological and biological sources. The course is designed to discuss the socio-cultural dimensions of food production, preparation and consumption to include dimensions of individual, family, community and societal structures, as well as ideological, religious and cultural identities embodied in gender, race, ethnicity and socioeconomic status. Choices of pets, insects and people as food choices are considered in their socio-cultural contexts. Social issues include the 21st century locavore and organic movements, community food production, malnutrition and hunger.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI315>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI331 Research Methods for Sociology (3 semester hours)**

This course introduces students to the purpose and techniques in social research: problem definition, research design, sampling and data collection methods including observation, interviewing, questionnaire construction and the use of documents and other unobtrusive data sources. The basic goal of all social research is to gather evidence in order to answer questions about the nature of relationships between individuals, groups, institutions, and societies. This course is designed to give the student a broad overview of the logic of social research, of the process of research design, and of the major types of data collection techniques and methods of data analysis.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI331>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI332 Statistics for Social Science (3 semester hours)**

This course is designed to provide a basic survey of the application, empirical use and interpretation of a variety of statistics methods used in the social sciences. A key objective of the course is the instruction in best statistical practice through the use, exploration and analysis of empirical data. Emphasis will be placed on understanding and interpreting the meaning of statistics. The practical aspects of statistics are emphasized and students are instructed in the use of the standard statistical package for the social sciences (SPSS) which is widely used in the social sciences and in the labor force. NOTE: Students must have access to required software: SPSS (Statistics Package for the Social Sciences); see Course Materials for current version requirement. APUS does not supply this software. (Prerequisite: MATH120)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI332>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI340 Digital Society (3 semester hours)**

Technological advances have created a dynamic and ever-changing landscape for social experiences in life online. This course will focus on the shift from the industrial age to today's information age dominated by digital technology. Using a social science lens, students will examine the way technology has increasingly shaped individual and social experiences. The course traces the establishment of the early internet to current trends in social media and explores society's responses to changing technology. Students examine the way social movements, political participation, and social support have been shaped by new opportunities for people to connect digitally.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI341 Social Analysis of Digital Communities (3 semester hours)**

Social life online is complex, offering opportunity and positive community in some contexts while reinforcing disparities and structural inequalities in other contexts. As consumers of online experiences or participants in generating online content and discussion, everyday people play a significant role in shaping social movements through presence and participation in digital communities. In this project-based course, students will examine a specific social issue by analyzing specific communities (social media groups, influencer blogs, news outlets) to assess the social impact of digital community content on digital audiences.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI341>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI403 Social Change (3 semester hours)**

Beginning with industrialization, a structural and cultural approach will be used to study processes of human interaction resulting in social change. The concept of what 'change' is and how it happens will be clarified with a focus on the various factors and theories that explain it. Key topics will include industrialization, institutional change, social movements, modernization, world systems, economic development, globalization, and information society.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI403>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI404 Gender and Society (3 semester hours)**

This course is a critical analysis of the structure of sexism, stratification, poverty and human rights in the contemporary United States. Students examine the outstanding problems facing society and strategies for change, including an exploration of the ethics of intervention. The course is designed to discuss the way culture shapes and defines the positions and roles of both men and women in society. It will cover the historical development of gender roles and stereotypes, how gender roles are socially constructed, and the social conditions which may lead to the broadening or reduction of gender roles and stereotypes.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI404>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI420 Sociology of Religion (3 semester hours)**

This course will guide students through a critical and sociological exploration of religion. It will provide them with an opportunity to think about religious experience and religious organizations as a part of a larger social order. It will introduce basic concepts in the sociology of religion. This process involves analyzing the interrelationship of culture, society, and religion; religion and social stratification; religious, economic, and political institutions; social change and religion. There will be a general emphasis on American society and institutions, with global and historical contexts integrated throughout the course. The course is designed with a focus on reading, discussion, field observation and critical writing.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI420>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI421 Sociology of the Family (3 semester hours)**

This course is a sociological analysis of the modern family and marriage, its structures and functions, variant patterns, and the influence of contemporary society on this institution. Course topics include dating, marital roles, divorce, child raising, and alternative lifestyles.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI421>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI422 Sociology of the Law (3 semester hours)**

This course is a study of law, law-making, law-enforcement, and legal systems in social life. Course content focuses on the American legal system from a sociological perspective—its origins, development, and current format, and examines the sources of the legal tradition, the function of legislation in society, and current trends in the social construction of norms. The course investigates the human need for social order and conflict resolution, and how that takes shape in the social world.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI422>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **SOCI423 Sociology of Health and Illness (3 semester hours)**

This course examines the social contexts of health, illness and organized medical care. It focuses on the theories, research and debates of medical sociology. Topics covered will include the social, environmental and occupational factors in health and illness; the meaning of health and illness from the patient's perspective; the historical transformation of the health professions and the health work force; the social and cultural factors surrounding the creation and labeling of diseases; disparities in health, access to healthcare, and the quality of healthcare received; organizational and ethical issues in medicine including rising costs and medical technology; and health care reform.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI423>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI424 Sociology of Death and Dying (3 semester hours)**

This course is an exploration of the social, psychological, cultural, and individual experiences of death, grief, and loss. The study of the structure of the human response to death, dying, and bereavement in a socio-cultural, interpersonal, and personal context will be examined. Topics to be discussed will include development of perceptions of death, bereavement and grief over the life course; functions of the funeral; euthanasia and death-related ethical debates; and, suicide. Current sociological theories and empirical research regarding the study of death and dying will also be introduced and discussed. Attention will be given to appropriate coping strategies for dealing with death and for aiding others in the coping process.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI424>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI490 Independent Study: Social Science (3 semester hours)**

An opportunity for Social Science students to pursue an independent research project or examine a specific area of Social Science under the mentorship of a single professor. Course is open to upper division students only. Participation is at the discretion of the faculty member. The course will typically involve six or more professor contacts and produce a major research paper (30+ pages); there will be no examination. Students will submit a proposal prior to the start of the project, and a rough draft of the paper at week 10, both of which will count toward the final grade. Participation is at the discretion of the faculty member. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact their student advisor. Once the course is open the student must complete an official online registration for the course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI490>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI491 Sociology Independent Study (3 semester hours)**

An opportunity for Sociology students to pursue an independent research project or examine a specific area of Sociology under the mentorship of a single professor. Course is open to upper division students only. Participation is at the discretion of the faculty member. To be eligible for an independent study, students must be enrolled in a bachelors degree program, must have completed 24 hours at APUS toward their current degree program, and should have already contacted a professor and gained approval for the independent study topic. Once these conditions are met the student should contact their academic advisor. Once the course is open the student must complete an official online registration for the course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI491>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SOCI498 Senior Seminar in Sociology (3 semester hours)**

The focus of this course is to review the major issues within the field of sociology and their relationship to current events. Theoretical and applied perspectives will be discussed, culminating in the students' completion of a major sociological research paper/project that synthesizes the body of acquired knowledge. (Prerequisite: Completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SOCI498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



# Space Studies (SPST)

## **SPST180 Introduction to Astronomy (3 semester hours)**

This course will introduce students to the wonders of the universe. Topics will include deciphering the motions of objects in the sky, learning how astronomers decode the light coming to us from distant objects, exploring the Earth and other bodies in our solar system, and investigating the properties and structure of stars, galaxies, and the universe itself. Students will be encouraged to develop a conceptual understanding of these topics beyond memorization of facts. While the course is conceptual in nature, students should expect to use some mathematics. Completion of at least college algebra prior to taking this course is highly recommended.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST180>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SPST200 Introduction to Space Studies (3 semester hours)**

This course is designed to introduce the student to a variety of subjects, which together comprise the overall field of space studies. This includes the space environment, astrodynamics, launch vehicles, spacecraft, space operations, commerce, space law, policy, telecommunications, space navigations, remote sensing, space resources, astronomy, and space life sciences. All of these topics will be addressed with a very broad brush, as the student will study them more in-depth during later courses in the aerospace studies degree program. Instruction is primarily through readings (both textbook and online), along with weekly classroom discussions. As the first space studies course in the AS and BS degree in Space Studies program, this course also focuses on research and writing methods appropriate to space studies. The web readings listed under "Web Resources" will discuss critical elements of research, writing, style and formatting. The Turabian style (also known as the Chicago style) is required for all courses in this program. The course will introduce the student to a variety of research sources that will be useful in future space studies courses. (Prerequisite: MATH111)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SPST201 Introduction to Space Flight (3 semester hours)**

Students in this course assess the major aspects of space flight. The course covers space flight from early rocketry through the development of satellite navigation, meteorology, and telecommunications, up to human space flight. Course topics also include: rocket propulsion, basic orbital mechanics, the space environment, living and working in space, and an overview of non-U.S. space programs. Instruction is primarily through readings, along with weekly forums. There will be weekly quizzes, and a paper. (Prerequisite: SPST200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SPST203 History of Space Flight (3 semester hours)**

This course is a history of human activity in space and includes rocketry, space associations, voluntary organizations, human flight, unmanned flight, satellites, science-fiction, and ballistic missiles. The History of Space is a survey of humanity's quest to explore outer space, "the final frontier."

This course is a history of human activity concerning, about, and in space and includes early humanity's fascination with the heavens, the quest for knowledge about what lay beyond the sky, human flight, unmanned flight, the development of rocketry and satellites, the role of early space associations and voluntary organizations, space exploration and ballistic missiles and the increased militarization of space, and science fiction. (Prerequisite: SPST201)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST203>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SPST304 National Space Organization (3 semester hours)**

This course addresses the United States organization for space operations, to include exploration, satellite operations, military purposes, and research and development. Included in the organization will be the linkages between governmental and non-governmental enterprises in or dealing with space. The course will also briefly address comparative organizations for space as witnessed in other industrialized nations. (Prerequisites: SPST200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST304>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST305 Introduction to Orbital Mechanics (3 semester hours)**

Students taking this course compute and calculate satellite orbits, planetary orbits, solar system orbits, and other essential space orbits. Designed for the non-scientist student, this course provides a fundamental understanding of how orbital mechanics works in space. (Prerequisites: MATH111 and SPST200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST305>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST306 Human Space Flight (3 semester hours)**

This course evaluates the physical and psychological effects of spaceflight on humans, countermeasures for both short- and long-duration spaceflight, and discussions of human factors in spacecraft engineering. (Prerequisites: SPST200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST306>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST307 Space Policy (3 semester hours)**

This course assesses the various aspects of policy surrounding space activities and investigates how space policy evolves from historical contexts through policy outcomes, including law, commerce, the environment, international cooperation, and national security. (Prerequisites: SPST200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST307>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST310 Rocket Propulsion (3 semester hours)**

This is a survey course of rocket propulsion that covers the history of rockets, the basic science of rocket propulsion including Newton's Third Law, basic fluid mechanics, the ideal rocket equation, nozzle design and impulse, types of rockets including thermodynamic and electrodynamic, and exotic propulsion methods such as solar sails, tethers and the future of antimatter propulsion. As an introductory survey course, the objectives of this class are geared towards gaining a conceptual understanding of these topics and how rocket propulsion works, rather than memorizing a lot of facts.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST310>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST330 Launch and Reentry Systems (3 semester hours)**

This is a survey course of launch systems and re-entry principles that reviews the basic principles of rocket propulsion, and covers launch windows, times and locations, launch vehicles and their subsystems, the concept of staging, current launch systems, re-entry design including trade-offs and options, and ICBM re-entry systems.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST330>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST340 Tools of the Observatory (3 semester hours)**

This course is designed to familiarize students with the tools used by the astronomer in the observatory. Such tools include telescopes and astronomical imaging cameras. Students will have the opportunity to use the APUS remote observatory. The course will also introduce students to career opportunities as night telescope operators at astronomical observatories.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST341 Tools of the Planetarium (3 semester hours)**

This course is designed to familiarize students with the equipment and operation of the modern planetarium. Students learn about the use of the planetarium as an effective astronomical educational tool, and explore exciting career opportunities in the planetarium field. Students have the opportunity to utilize planetarium software and visit a local planetarium in their region of the country.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST341>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST342 Habitable Worlds (3 semester hours)**

This course focuses on the concept of habitability and the search for habitable conditions in our galaxy. Students learn about the requirements for life and the conditions for circumstellar and galactic habitable zones. They will explore the possibility of life both within our solar system and on planets that orbit other stars, known as exoplanets. Students will study the Drake equation and use this important tool to understand the conditions for the development of intelligent life elsewhere in the universe. They will consider the differences between primitive and intelligent life, and current efforts to search for both. Completion of at least college algebra prior to taking this course is highly recommended. (Prerequisite SCIN134)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST342>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST361 Planetary Science with Lab (4 semester hours)**

This course is a tour of the planets and moons of the solar system and an introduction to their internal structures, atmospheres, and surface features. Processes that form planets and act continually to change them, such as earthquakes, volcanoes, giant impacts, are discussed, as are comets, asteroids, rings, and life. Information gained from spacecraft missions is highlighted. In the laboratory component, students will engage in planetary science inquiry using online interactive simulations and data gathered from space missions and ground-based observatories to help reinforce and build upon the concepts presented in the lecture portion of the course.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST361>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST415 Space Station Systems and Operations (3 semester hours)**

This course elaborates on Space Station flight operations, its supporting elements and planned systems. Students will study commercial applications, logistical support, maintenance and servicing design concepts. (Prerequisite: SPST200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST415>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST425 Satellite and Spacecraft Systems (3 semester hours)**

Orbital satellites and spacecraft are discussed according to their application, design and environment. The power system, shielding and communication systems are reviewed along with their missions, space environment and limitations. This course elaborates on Space Station flight operations, its supporting elements and planned systems. Students will study commercial applications, logistical support, maintenance and servicing design concepts. (Prerequisites: SPST200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST425>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST426 Space Habitats (3 semester hours)**

This class introduces students to the fundamentals of space and planetary habitats, not limited to space stations but including lunar, asteroid, and Martian structures. It will provide an understanding of the cost/value of such habitats and how they can be built. (Prerequisite SPST307)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST426>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST427 Space Resources (3 semester hours)**

This class introduces students to the fundamentals of space and planetary resources, including lunar and asteroid mining, solar power in space, and Martian resources. It will provide an understanding of the cost/value of such resources and how they can be gathered. (Prerequisite SPST307)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST427>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST435 Planetary and Space Exploration (3 semester hours)**

This course is a summary of U.S. and international space programs. The student will assess the Earth and its space environment, to include methods of scientific exploration and spacecraft and payload criteria at the basic physics level. This course elaborates on Space Station flight operations, its supporting elements and planned systems. Students will study commercial applications, logistical support, maintenance and servicing design concepts. (Prerequisites: SPST200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST435>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST440 Stars and Galaxies (3 semester hours)**

This course is designed to familiarize students with celestial objects found beyond the Solar System. Students learn about the origin and evolution of stars and galaxies. Topics covered in the course include main sequence stars, red giants, white dwarfs, neutron stars, and black holes. Galaxy classification is also considered. Students have the opportunity to use the new APUS remote observatory for celestial observations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST440>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST441 Cosmology (3 semester hours)**

This course covers the origins and evolution of the universe. It begins by describing the scale of the universe, both in size and in distance. It will take an in-depth look at the important eras in the history of the universe from the Big Bang to the expansion and inflationary periods. This course will analyze the possible future of the universe as a function of critical density, dark matter, and dark energy. It will consider observational evidence for these theories and also investigate the Steady State Theory and alternate cosmologies. (Prerequisite SPST440)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST441>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST445 Space Transportation Systems (3 semester hours)**

This course evaluates Space Transportation Systems (STS) including manned space flight operations, supporting systems and the Space Shuttle mission, both present and future. Included are manned space flight operations, supporting systems and the Space Shuttle mission, both present and future. A review of Space Shuttle flight profiles, guidance and navigation control, proximity operations and rendezvous and a brief review of hypersonic orbiter aerodynamics are included. Also covered are future STS applications to space station logistical operations, commercial applications and Department of Defense operations. (Prerequisites: SPST200)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST445>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST465 Space Weather (3 semester hours)**

The relatively new science of space weather has significant influence on both the space program, and our increasingly technology-dependent society. Space weather is largely the result of solar activity, including sunspots, solar wind and solar flares and their interaction with the Earth's magnetic field. This course will discuss this Sun-Earth connection, its implications for both Earth-bound and space activities, and the current state of space weather study and prediction. (Prerequisites: SPST200 or SPST435)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST465>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST485 Space Wargaming (3 semester hours)**

This course promotes the understanding and effective use of space power while providing insight into the shaping and consequences of strategic decisions made in a space wargame. Students explore critical space issues in-depth and investigate the integration activities of multiple agencies associated with space systems and services. The course includes an overview of wargaming, the reasons why we wargame, and the history of wargaming. It then examines the space environment and why we wargame in space, even though there has never been a conflict in that domain. Next is an overview of Thor's Hammer (the National Reconnaissance Office's wargame) and the Schriever wargame series, followed by lessons learned from each wargame and how wargames affect military strategy. This course allows students to think critically about the importance of space assets and how best to protect them.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST485>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPST499 Senior Seminar in Space Studies (3 semester hours)**

Analyses of specific issues will be conducted that will include a review of current and future space exploration goals and discoveries, space policy and law, aerospace engineering, and astronomical studies and discoveries. Students will review and analyze the problem solving process with consideration for the implications of these areas on national and global scales. This capstone course will provide students with the opportunity to complete an approved academic research exercise that demonstrates their knowledge of their selected field of study. (Prerequisite: Completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPST499>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Sports and Health (SPHE)

## **SPHE250 Sports First Aid and Safety (3 semester hours)**

Sports First Aid is the recognition and emergency treatment of sports injuries sustained during participation in a sporting event. Students will learn basic first aid principles in order to provide emergency care to injured athletes. Students will develop a basic knowledge of common sports injuries to be able to administer appropriate sports first aid. This course introduces the role of the coach as well as other medical professionals who provide first aid to athletes. Focus will be placed on techniques and concepts used to treat these sports injuries. Students taking this course will become a competent first aid responder for basic athletic injuries.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE250>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SPHE290 Foundations of Sports and Health Sciences (3 semester hours)**

This course introduces students to the fundamental concepts of Sports and Health Sciences including basic principles in exercise science, health, wellness, fitness, and coaching studies. The student will focus on clarification of the wellness continuum including physical, emotional, intellectual, spiritual, interpersonal, and environmental wellness while implementing the methods of the health-related components of physical wellness – cardiorespiratory endurance, muscular strength, muscular endurance, flexibility, and body composition to promote lifelong physical fitness, disease prevention, and health and wellness.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE290>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SPHE295 Foundations of Nutrition (3 semester hours)**

This course introduces students to the scientific principles of nutrition pertinent to the function of nutrients in the body and the physiological processes involved in digestion and absorption. Students will attain knowledge of the nutrients that make up the food we eat; the anatomy and physiology of digestion and absorption; the function of the each macro and micro nutrient within the body; the interplay between foods, food substances and disease processes like heart disease, cancer, and obesity; the role of nutrition throughout the life cycle; and, our global food problems.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE295>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SPHE314 Exercise Physiology (3 semester hours)**

This course is designed to provide students with the knowledge of the inner workings and physiological changes that occur in the body during exercise, after exercise, and during a training period. Topics include efficiency, needs and limitations of body systems and their interrelationships, gender roles in exercise, and developing a personalized exercise routine to meet your needs.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE314>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SPHE315 Training and Conditioning (3 semester hours)**

This course concentrates on the science, planning, management, and analysis of training and conditioning as it relates to the human body. Through a series of assignments and case studies, you will learn the theory of muscle growth and how muscle growth applies to your body. The course will answer many questions including how can you build an impressive, muscular physique using free weights? How, for example, can you customize your workouts according to your body type? And how should diet, including food supplements, factor into your fitness goals?.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE315>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPHE317 Sports Medicine (3 semester hours)**

This course in sports medicine explores the causes and prevention of common sports injuries. You will learn the prognosis and treatment of injuries by examining the anatomy of the injured area of the body through diagrams and interactive websites. Each section of the course covers a certain category of injuries; you will learn what sport or particular athlete is more at risk. Each student will be required to submit a course paper on a specific injury that includes case studies from appropriate references. It is recommended that students complete SPHE 421 Kinesiology before enrolling in this course. (Prerequisite: BIOL251)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE317>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPHE318 Coaching Theory and Methodology (3 semester hours)**

Students in this course will review Coaching Theory and Methodology within the coaching profession. They will examine theories specific sports teams, including the development of methodologies and the development of a team, principles for coaches to follow and pass on to teams, and the end of competitive careers in organized sports. Guiding questions include: What sport has done for the player and coach? Why is theory and methodology in sport important? How does leadership and strategy play a role? Students will develop a coaching philosophy that will drive their coaching theories and methods. Students will discover that teaching life lessons through sport is vital to the success of their athletes.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE318>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPHE322 Sports Nutrition (3 semester hours)**

What should you eat? When should you eat it? Why? Nutrition plays an integral part of our daily life. A healthy diet can protect us from a number of diseases, including heart disease and cancer. Nutrition also plays an integral part in an athlete's performance, often making a difference between success and failure. Improper use of diet and/or ergogenic aids can result in poor performance. Students in this course will explore basic nutrition concepts, gaining an appreciation of the contribution of macro and micronutrients to a healthy diet and gaining an understanding of the importance of these nutrients as performance enhancers. They will identify a number of strategies for making healthy food selections, for integrating these selections into their lives, and for successfully maintaining a healthy diet. These concepts will be reinforced through the analysis of their own diets and the development of several new diets. The impact of excessive or deficient caloric intake on health and body composition will be determined. Finally, dietary supplements and performance enhancers are used by many people. Improper use of these can be detrimental to one's health as well as adversely impact athletic performance. Strategies for identifying and using good and bad supplements/enhancers will be developed. (Prerequisite: SPHE295)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE322>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPHE324 Biomechanics (3 semester hours)**

Students in this course will use qualitative and quantitative analysis to understand the biomechanics of human movement. This course will focus on biomechanics in sports and how biomechanical evaluation can improve performance and prevent injuries. Through the use of videos and personal observations, students will learn to apply mathematical equations to various sports skills to develop an understanding of how the laws of physics affect performance. Linear and angular kinematics and kinetics will be applied to sport skills. Students will complete a course project which will require the student to observe a sport skill, qualitatively analyze the athlete performing the skill and make recommendations for improvement. It is highly recommended that students complete College Algebra and Physics before taking this course. (Prerequisites: BIOL250 and BIOL251)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE324>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPHE340 Nutrition Throughout the Lifecycle (3 semester hours)**

This course examines nutrition and dietary needs throughout the lifespan, emphasizing nutrition/dietary factors to improve one's health span. The course will focus on dietary guidelines, special nutritional needs at each life stage, nutritional health concerns at each life stage, and wellness coaching techniques to enact behavior change. (Prerequisite: SPHE295)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE340>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



### **SPHE360 Scientific Principles of Coaching (3 semester hours)**

This course provides coaches with the biomechanical tools necessary to help their athletes achieve optimal performance in their sport. Students will explore theories and activities designed to improve movement capabilities, methods to reduce the risk of injuries caused by faulty mechanical principles, and a wide range of practical mechanisms useful to teach correct movement skill acquisition.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE360>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPHE416 Athletic Programs Administration (3 semester hours)**

Athletic programs administration focuses on the coach, and their administrative responsibilities of their profession. Coaching goes beyond knowledge of the game, strategies to win or practice design. Coaches and administrators, much like managers in the business world, are decision makers and resource allocators. They make sure player to player and coach relations are operating smoothly. Their duties also include fundraising, facility management, scheduling and maintaining budgets much like any business manager. This course examines the key concepts and skills to becoming an effective sports manager that includes program promotion, leadership, personal organization, public relations and risk management. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE416>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPHE417 Leadership Concepts in Coaching (3 semester hours)**

This course will introduce Coaching Leadership on a sports level but show how that leadership can relate to personal, business and everyday successes for individuals. Creating success in the sports arena, a leader has to communicate, to bring a set of individuals together to accomplish one common goal. To be a good leader and coach, one must motivate teamwork and reveal the powerful characteristics of success. Leadership can be universal and used in any walk of life. Coaches are faced with many hurdles to overcome on different levels. The best coaches are able to work through these barriers and develop systems that bring teammates together with a common purpose. Course objectives will be reached by means of selected case studies and focused assignments, reinforced by study of proven coaching leaders.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE417>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPHE420 Exercise Programming and Testing (3 semester hours)**

This course is designed for the undergraduate degree in Sports and Health Sciences. Students will combine knowledge from prior classes such as Anatomy, Exercise Physiology, Nutrition and Training and Conditioning and will be prepared to implement their knowledge in a professional setting. Application of basic exercise training principles will be expanded as the course progresses, allowing the student to execute a wide range of personal fitness training principles such as fundamentals of human movement science, client/athlete assessment, exercise training concepts, program design, nutrition and supplementation. This course incorporates advanced exercise programming techniques utilizing the Optimum Performance Training Model (OPT Model) and prepares students for the Certified Personal Training examination offered by the National Academy of Sports Medicine (NASM-CPT). Upon successful completion of this course and with a valid CPR certification students are eligible to sit for this examination. (Prerequisite: BIOL251)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE420>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPHE421 Kinesiology (3 semester hours)**

Kinesiology develops a practical understanding of the neuromotor system in relation to anatomical structures responsible for human movement along with their respective functions. Students will learn how to analyze movement and determine specific muscles responsible for a particular movement along with the associated joint action and neural control mechanisms. Students will contrast movements and exercises to determine their appropriateness and fit for specific and common goals in real world settings. Additionally, students will discuss Kinesiology principles and critical concepts as they relate to athletics, rehabilitation, and recreational exercise. The course will also explore how to improve human performance through effective exercise and training program design. Students learn concepts in this course which apply in coaching, athletics, rehabilitation, and fitness settings. (Prerequisite: BIOL251)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE421>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPHE423 Advanced Strength and Conditioning (3 semester hours)**

This course provides the student with the skills necessary to develop an annual training program for athletes of all levels. Emphasis will be placed on the principles of periodization and how to determine the appropriate training program for each sport. The topics of plyometrics, speed, agility, strength, and power will be demonstrated in videos and through other course materials. Students will be required to complete a 52-week training plan for an athlete based on the principles of periodization.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE423>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPHE426 Principles of Corrective Exercise (3 semester hours)**

The purpose of this course is to provide an understanding of exercise physiology, biomechanics, and exercise prescription for those in need of remedial exercise programming. This course will examine the theory and practice associated with functional and corrective exercise program design and progression when movement dysfunctions and imbalances are present. In addition, scope of practice, limitations, and coordination of care with health care professionals will be addressed. (Prerequisite: SPHE317)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE426>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPHE435 Advanced Nutrition (3 semester hours)**

This course uses recent advances in nutrition science to investigate the role of nutrients in biochemical, physiological, and hormonal processes within the body and nutrient-disease relationships. (Prerequisite: SPHE295)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE435>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPHE460 Business Aspects of Fitness and Wellness (3 semester hours)**

This course provides the student with the tools to pragmatically conduct business within the fitness and wellness industry. The student will develop parameters of management within a business structure including financial, facility, marketing, risk management, leadership, and personnel.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE460>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPHE461 Current Issues and Trends in Fitness and Wellness (3 semester hours)**

This course is designed to explore the growing field of Sports and Health Sciences and its cultural impact on the United States and International health and wellness. The student will gain the tools necessary to assess the fitness, sport, and health industry and its relationship to health and wellness management.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE461>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPHE490 Senior Seminar in Sports and Health Science (3 semester hours)**

This senior capstone class is the final course in the degree sequence for students majoring in Sports and Health Sciences. In this dynamic and interactive course, learners will review, assess and then apply many of the concepts they have researched during undergraduate studies through the creation of a customized graduation portfolio. This portfolio can be used for future career or academic goals and serve as a tangible job aid that houses previously acquired knowledge. Real life, hands on tools for career advancement will be examined and then applied, including the creation of a professional resume. An investigation of the job market in the field of sports and health will also take place through case study analysis and lively, career focused discussions. Alternative career paths for sports and health sciences degree holders will also be explored. (Prerequisite: Completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPHE490>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



# Sports Management (SPMT)

## **SPMT200 Foundations of Sports Management (3 semester hours)**

Sports management is evolving at a rapid pace. This course provides an overview of the sports industry and teaches the basics of sport management to future sport managers. Students will explore the sports industry in different segments that will help guide them to what area of expertise they might choose as a career path. Topics will include ethics, finances, high school and youth sports, marketing and legal issues. This course also examines specific industries involving management such as the fitness industry, facility management, sporting goods, and event management.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPMT200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SPMT213 Principles of Sports Marketing (3 semester hours)**

This course focuses on the promotions, public relations, advertising, and other marketing functions involved in the multi-billion-dollar sports industry. The course provides research, case analysis, and other opportunities to learn about the effective principles, theories, practices, and methods involved with all aspects of sports communications.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPMT213>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SPMT230 Integrated Communication in Sports (3 semester hours)**

An introduction and overview of the field of sport communication; specific topics include models of sport communication, print and electronic media, sport advertising, public relations, media relations, and employment opportunities. Students will have the opportunity to critically assess the communication efforts of sports organization as well as construct their own communications in the field of sport. These goals will be accomplished through writing and discussion assignments, reflective reading worksheets, and a final paper.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPMT230>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SPMT279 Social Issues in Sports (3 semester hours)**

Students use analytical techniques to examine the scope and effect of sport on society. They will explore sociological concepts on how sports and sport participation impact the lives of individuals and groups in a society. Students explore several significant contemporary issues. These contemporary sport sociology issues will include drug abuse, race, ethnicity, gender inequity, ethics, gambling, and violence. To increase their sociological understanding of sport, students will identify and discuss sociological perspectives about the components of sport and physical activity.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPMT279>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SPMT299 Externship in Sports Management (3 semester hours)**

This course is an introduction to on-site sports management. It requires a minimum of 100 hours of on-site game, team, event, or organizational management, and students will assist in planning, organizing, and executing approved sports or entertainment events.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPMT299>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SPMT316 Sports and Recreation Facility Management (3 semester hours)**

This course prepares students with an interest in pursuing a career in the fast growing industry of sports facility or event management. During the course, students will acquire professional skills that can be applied in a wide variety of career positions. A range of topics includes facility financing, alcohol management, crowd management, and box office management. Upon completion students will have basic fundamentals to comprehend the field of facility and event management.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPMT316>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPMT326 Ethics in Sports (3 semester hours)**

Students will examine morality and ethical issues pertaining to sport. During this course, students will become involved with discussions on sportsmanship, fan behavior, performance-enhancing drugs, gender equity in sport, deviant behavior in athletics, and issues related to youth sports participation. Students will be required to examine their current rules, morals, and philosophies to their career aspirations and reflect on them in an ethical as well situational manner. Students will be immersed in ethical situations through the use of videos and relevant current event articles.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPMT326>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPMT410 Applied Concepts in Sports Finance (3 semester hours)**

Applied Concepts in Sports Finance will provide students with a vast overview of the financial and contemporary economic issues related to sports, athletes and the sport industry. The course will examine the market power in sports, impact of teams and facilities on neighborhood economics, issues relating to a professional sports lockout as well as the relationship among academics, athletics, and the economy. Contemporary topics will include sports franchises, agents, contracts, sports industry financing, and financial and legal issues.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPMT410>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPMT440 Sports Event Management and Planning (3 semester hours)**

Sports Event Management and Planning involves a comprehensive overview of the development and implementation process involved with managing a successful sporting event. The student will examine detailed event criteria including time line, budget analysis, sponsorship, event location, staff and consumer management, as well as the development of television and talent contracts. The course shall provide the knowledge necessary to cultivate, organize, and execute any sporting event from a managerial standpoint.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPMT440>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPMT450 Sports Governance (3 semester hours)**

This course will focus on the policies, structure and politics that shape sport at the regional, national and international levels. With a focus on the Olympic movement, the course will also examine the organization and development of amateur and professional sport, including the need for Paralympic Games, Gay Games and Special Olympics. The student will analyze the different membership guidelines, organizational goals, and administrative roles of the many governing bodies as well as learn about the historical politics and boycotts, the international development of sport and the bidding process for an international event.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPMT450>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPMT455 Ticket Sales Management (3 semester hours)**

This course provides training in all aspects of ticket sales including prospecting and qualifying, creating and presenting sales proposals, overcoming objections, and closing sales. Specific techniques such as networking and role playing will be used to prepare students for careers in sport ticket sales. The material is designed to expose students to the standards, principles and practices that can be applied to the ticketing industry at any level by combining knowledge of ticket sales strategies with management of ticket office operations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPMT455>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **SPMT491 Senior Seminar in Sports Management (3 semester hours)**

This senior capstone class is the final course in the degree sequence for students majoring in Sports Management. In this dynamic and interactive course, learners will review, assess, and then apply many of the concepts they have researched during undergraduate studies through the analysis and application of optimal solutions to the problems presented. Real-life, hands-on tools for career exploration will also be examined through lively discussions, including an investigation of the job market in sports management, as well as how to properly network and prepare for a job interview. Prerequisite: Completion of a minimum of 106 hours toward your program.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPMT491>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**SPMT499 Internship in Sports Management (3 semester hours)**

This course is designed as a culminating experience for sports management majors. Students will develop practical and leadership skills in a pre-approved, professional setting, including (but not limited to) interscholastic or intercollegiate recreation or athletic programs, community recreation agencies, sport businesses, sports facilities, amateur athletic organizations, and/or professional sports teams. Students are required to complete a minimum of 150 hours of work, including a comprehensive project.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SPMT499>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Supply Chain Management (SCMG)

## **SCMG201 Principles of Supply Chain Management (3 semester hours)**

This course is a study of design, planning, execution, control and monitoring of supply chain activities with the objective of creating net value, building a competitive infrastructure, leveraging worldwide logistics, synchronizing supply with demand and measuring performance globally. As a principles course, it will introduce these components along with their integration into the supply chain. The impact of technology of supply chain management will be examined and its critical role enabling synchronized logistics.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMG201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SCMG301 Supply Chain Risk Management (3 semester hours)**

This course is a study of the implementation of strategies to manage every day and exceptional risks along the supply chain through continuous risk assessment with the objective of reducing vulnerability and ensuring continuity. Supply Chain Risk Management (SCRM) can be viewed as the intersection of supply chain management and risk management. Topics include: risk concepts, risk management strategies, key components of SCRM including risk resilience, risk appetite, risk response planning, risk compliance and risk governance.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMG301>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **SCMG305 Global Demand Management (3 semester hours)**

This course is a study of the demand for goods and services to support the marketplace, prioritizing demand when supply is lacking. Proper demand management facilitates the planning and use of resources for profitable business results. The demand management process weighs both customer demand and firms output capabilities to seek balance between the two. Topics include: demand planning, demand driven supply networks, demand forecasting, demand segmentation and demand side analysis.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=SCMG305>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

# Transportation and Logistics (TLMT)

## **TLMT200 Retail Shipping and Receiving (3 semester hours)**

This course introduces the student to retail Supply Chain and Logistics Management with a focus on the shipping and receiving functions to include its nature, scope, and processes. An examination of shipping and receiving functions and the interrelationships among these components of an operational supply chain and related logistics of large retail businesses is provided. Students receive an overview of the role and importance of shipping and receiving within the retail industry with an emphasis on effective management. The contemporary environment of retail shipping and receiving functions are addressed as well as management perspectives, inventory management, and the impacts of technology on providers and users, both domestically and globally. Ultimately, this course is for those seeking retail opportunities in management, supervisory, and/or entry-level positions as well as those transitioning into the retail industry.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT200>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **TLMT201 Retail Transportation (3 semester hours)**

Students in this course are introduced to the area of transportation within the logistics field to include its nature, scope, and processes. An examination of the management functions and the interrelationships among the components of operational logistics is provided. Students receive a familiarization of transportation functions within the retail industry. The various aspects of transportation are addressed within the retail supply chain to include modes of transportation, international logistics, import/export, regulations, customer management (selection and negotiating), warehousing and inventory management, and technology. A practitioner approach is used to explore and examine processes, strategies, best practices, issues and trends in retail transportation. This course is for those seeking retail opportunities in transportation management and supervisory opportunities.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT201>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **TLMT311 Introduction to Transportation Management (3 semester hours)**

This course is an overview of the transportation sector, including providers, users and government agencies. It examines contemporary public policy issues, such as deregulation, along with managerial strategies in transportation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT311>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **TLMT312 Transportation Economics (3 semester hours)**

This course focuses on the micro and macro economic issues associated with international, national, and local transport, logistics, and other issues in the transportation industry. Topics include the economic aspects of rail, water, air, ground, and other transport modes; inventory, and supply.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT312>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **TLMT313 Supply Chain Management (3 semester hours)**

This course is a study of supply chain management from the consumer back to raw materials. The entire process is studied from the standpoint of the leading theory and practice of cutting-edge organizations.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT313>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

## **TLMT318 Hazardous Materials Transportation (3 semester hours)**

This course is a study of the packaging, transportation, and delivery of hazardous materials. Course topics include container, vehicular, storage, mode, onload/offload, and other considerations associated with hazardous materials transportation.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT318>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **TLMT331 Fundamentals of Intermodal Transportation (3 semester hours)**

This course examines the United States and worldwide commercial freight transportation systems, with an emphasis on international intermodal surface transportation. Modal/intermodal economic and operating characteristics will be surveyed, along with cost, pricing, and regulation of transportation services. In addition, students will be introduced to electronic data interchange (EDI) in commercial transportation and the use of computer software applications in transportation management—all with the goal of providing students with an in-depth understanding of the principles of intermodal transportation systems, a grasp of transportation terminology, and the interrelationship between the Defense Transportation System (DTS) and the global commercial transportation infrastructure.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT331>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **TLMT341 Logistics Management (3 semester hours)**

This course studies the logistics functions of business involved in the movement and storage of supplies, work-in-progress, and finished goods. It examines the trade-offs between cost and service and the purchase and supply of raw materials; the warehousing and control of inventory; industrial packaging; materials handling within warehouses; and the distribution of finished goods to customers required to minimize costs, maximize profits or increase customer service levels. STUDENTS ARE STRONGLY ADVISED TO COMPLETE TLMT311 PRIOR TO TAKING THIS COURSE.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT341>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **TLMT342 International Logistics Management (3 semester hours)**

This course addresses the design and operation of international logistics systems. Topics include export-import issues, multi-national sourcing and distribution strategies, channel management, and comparative transportation systems and policies.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT342>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **TLMT351 Packaging (3 semester hours)**

This course examines the role of packaging marking and labeling as part of the physical distribution process. It examines inner, outer, and intermediate packing, packaging media, dunnage, lading and ISO & non-ISO containers. Topics include: packaging as containment; packaging as a physical barrier, packaging as an impediment to in-transit visibility and handling; packaging as a carrier of arachnids, nematodes and plant and animal life; and contaminated packaging incompatibilities.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT351>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **TLMT352 Distribution Systems (3 semester hours)**

This course addresses the principles and practices of transportation and its role in the distribution process. Topics include the physical transportation system of the United States and its performance; carrier responsibilities and services; economic and legal bases of rates, freight classification and tariffs; public policy regarding regulation; and transportation issues and problems.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT352>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **TLMT353 Logistics Management and Operations (3 semester hours)**

An overview of the general area of logistics, its nature, scope, and process. It is a critical examination of logistics management functions and the interrelationships among strategic support and operational logistics.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT353>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

### **TLMT381 Hazardous Materials Management (3 semester hours)**

This course will cover the requirements and regulations associated with packaging, handling, storage, transport, and incident response at the operational level for all forms of Hazardous Material. The emphasis will be on the federal regulations and their often-competing goals and contradictory provisions.

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT381>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

#### **TLMT405 Best Practices in Reverse Logistics (3 semester hours)**

This course provides students with a systems-centric view to explore what is seen as today's best practices in reverse logistics applications in manufacturing, retail and in the military. It includes the nature, scope, practices, procedures and processes of reverse logistics as compared to forward logistics. A practitioner approach is used to explore and examine the management functions and the interrelationships among the components of reverse operational logistics are provided. This course is intended for students and professionals working in logistics, retail business management, general management, transportation management, supply chain management, and corporate and military decision makers. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT405>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

#### **TLMT411 Air Transportation (3 semester hours)**

This course covers the history, management and future trends in air transportation. It covers the four principal segments of air transportation: major carriers, regional carriers, all-cargo carriers and general aviation. In each segment, the issues of aircraft design, market share, finance, insurance and operations are discussed. The course analyzes the development and application of national and international regulations that impact air transportation. Topics include: cost structure, air fares, flight crews and safety, environmental impacts of aircraft and airports, operating and service characteristics, technological advances, world competition and intermodal operations. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT411>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

#### **TLMT415 Airport Operations (3 semester hours)**

This course is a study of managerial and leadership issues associated with airport operations, to include human resource, union, commercial, legal, security, air and air support operations, and other issues. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT415>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

#### **TLMT416 Air Cargo Operations and Security (3 semester hours)**

This course provides students with an understanding of air cargo theft and proper control for safety and security of people, the cargo and the environment. This remains the focal point of cargo security management despite the justifiably increased concern for disruptions due to natural catastrophes, accidents and global terrorism. Topics include introduction to cargo security, benchmarking against best practices in the industry and conduct of an effective cargo theft investigation. With what are the learning outcomes? At the completion of this course the student will be able to: Assess transportation as a conveyance and evaluate the impact of transportation disruptions on the supply chain, understanding of the role of airport management operations focused on air cargo movement and control through an airport system. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT416>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

#### **TLMT441 Advanced Business Logistics (3 semester hours)**

Business Logistics is the set of activities involved in the flow of materials and products through an organization and through the supply chain to the market. This course examines and applies management tools and principles to these supply and distribution problems. Emphasis is first placed on developing a broad overview of the logistics field: what are its principle activities, decisions and how these activities produce value by supplying customer service through order fulfillment. Interfunctional coordination is reviewed by examining how logistics is coordinated or integrated with marketing and corporate strategy. Next, a thorough grounding in concepts, alternatives and tools for the primary activities of logistics: inventory, transportation, warehousing and order processing are presented. This provides the basis for examining issues in logistics system design, including stocklocation, sourcing, number and location of facilities and flow management. The organizational design of the logistics system across the internal supply chain is examined if time permits. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT441>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

#### **TLMT442 International Trade and Regulations (3 semester hours)**

This course is a study of international trade, to include the theories and practice of international trade and their economic outcomes from both global and local vantages. Topics of the course include free and restrictive trade theories, free trade agreements, general and specialized tariffs, and trade as an arm of foreign and/or domestic policy. View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT442>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.

**TLMT498 Senior Seminar in Transportation and Logistics (3 semester hours)**

This senior capstone course allows students majoring in transportation and logistics to analyze specific program related issues and problems using the knowledge and understanding gained by completing the required courses in the program and a significant number of the major courses.

(Prerequisite: Completion of a minimum of 105 hours towards your program)

View the course schedule (<https://www.apus.edu/course-schedule/details.html?c=TLMT498>) to find out details about each course including prerequisites, course objectives, course materials, a snapshot of the syllabi, and session dates.



## Course Materials

The APUS undergraduate book grant provides textbooks or ebooks and other course materials for students enrolled in undergraduate courses for credit. Through our university book grant, textbooks and/or e-books are provided at no charge to students who are earning undergraduate academic credit. However, software and/or lab equipment required for courses in our Electrical Engineering, Environmental Sciences, Natural Sciences, Health Sciences, and Information Technology programs are not provided through the undergraduate book grant and will need to be purchased by any student registering in those courses. Please refer to the Student Handbook (<http://www.apus.edu/student-handbook/your-academic-success/course-materials>) for complete details on course materials.

**Note:** Federal regulations define certain conditions in which Title IV Federal Student Aid (FSA) eligible students with credit balances are provided a means to obtain required course materials. We will notify qualified students and provide them with the resources to obtain their required course materials, prior to the seventh day of their course. Read our course materials allowance (<http://www.apus.edu/student-handbook/your-academic-success/course-materials/course-materials-allowance.html>) policy for complete details.

# General Education

## Philosophy of General Education

The university's general education curriculum provides a broad-based, integrative, and practical learning experience meant to prepare students for responsible civic and cultural engagement in a global context. By completing general education coursework, you will have gained skills and knowledge in arts, humanities, literature, communication, civics, political science, social science, mathematics and applied reasoning, and natural sciences. This level of knowledge and skill helps our students to become effective leaders, creative thinkers, responsible citizens, and ethical decision makers.

The general education categories span six broad areas of study that encompass existing disciplines frequently found in liberal education, while providing the flexibility to explore topics of interest relevant to your degree program. Completion of the courses listed below fulfills the university's general education requirements within all associate and bachelor's degree programs, but your program may have unique requirements. We encourage you to carefully review the course requirements in your academic plan.

## Arts & Humanities (6 semester hours)

Courses in the arts, humanities, and literature provide students with the opportunity to analyze and interpret artifacts within the appropriate historical, cultural, economic, social, or religious contexts. Students gain an appreciation for the myriad ways art, music, literature, cinema, theater, media, sports, and other artistic and creative forms of community and self-expression contribute to the production and reception of ideas, and how these shape all aspects of society both within and across cultural boundaries.

Competency: Explain the value and contribution of the humanities in contemporary society.

Code	Title	Semester Hours
ARAB100	Arabic I	3
ARAB101	Arabic II	3
ARTH200	Art Appreciation	3
ARTH240	Survey of Photography	3
ARTH241	Film and Literature	3
DSIN141	Image Enhancement using Adobe Photoshop®	3
FREN100	French I	3
FREN101	French II	3
GERM100	German I	3
GERM101	German II	3
JAPN100	Introduction to Japanese	3
LITR215	Literature of American Encounters, Revolution, and Rebellion	3
LITR218	From Abolition to #MeToo: Literature of the American Civil Rights Movement	3
LITR222	Pivotal Figures in Early British Literature	3
LITR225	British Literature from Wordsworth through the Wasteland	3
LITR231	Leadership in World Literature: Antiquity to the Early Modern Period	3
LITR233	Literature of the Newly Globalized World: The Individual's Struggle to Adapt	3
MUSI200	Music Appreciation	3
MUSI212	Jazz and Rock	3
MUSI250	World Music and Cultures	3
PHIL101	Introduction to Philosophy	3

PHIL110	Critical Thinking	3
PHIL200	Introduction to Ethics	3
PHIL202	Philosophy of Science	3
PORT100	Introduction to Brazilian Portuguese	3
RELS101	Introduction to the Study of Religion	3
RELS201	Introduction to World Religions	3
RUSS100	Russian I	3
SPAN100	Spanish I	3
SPAN101	Spanish II	3
STEM270	Thinking and Acting Ethically	3

## Civics, Political & Social Sciences (6 semester hours)

Explore cultural, economic, historical, political, psychological, social, or technological systems and issues that have shaped and continue to shape societies around the world. Courses explore trends and issues in globalization, emerging technologies, theoretical and practical models used for understanding local, transnational and transglobal problems, and differences in the ways individuals and societies experience and perceive the world.

Competency: Explain the inter-dependence of cultural, economic, historical, political, psychological, social, or technological systems within and across cultures.

Code	Title	Semester Hours
ANTH100	Introduction to Anthropology	3
ANTH200	World Archaeology	3
ANTH202	Introduction to Cultural Anthropology	3
CHFD220	Human Sexuality	3
COLL111	Planning Your Future with Purpose in Humanities & Education	3
COLL112	Planning Your Future with Purpose in Business	3
COLL113	Planning Your Future with Purpose in Health Sciences	3
COLL114	Planning Your Future with Purpose in STEM	3
COLL115	Planning Your Future with Purpose in Security & Global Studies	3
COMM211	Social Media and Society	3
COMM240	Intercultural Communication	3
ECON101	Microeconomics	3
ECON102	Macroeconomics	3
ECON201	Microeconomics for Business (Business Majors)	3
ECON202	Macroeconomics for Business (Business Majors)	3
EDUC200	Humane Education: A Global Interdisciplinary Perspective	3
GEOG101	Introduction to Geography	3
HOSP110	Practical Food Safety and Awareness	3
IRLS210	International Relations I	3
LITR212	Forgotten America--Under Represented Cultures in American Literature	3
POLS101	Introduction to Political Science	3
POLS210	American Government I	3
PSYC101	Introduction to Psychology	3
RELS250	Death and Dying	3
RELS260	Race & Religion	3

RELS270	Hope and Resilience	3
SOCI111	Introduction to Sociology	3
SOCI212	Social Problems	3
SOCI220	American Popular Culture	3
STEM280	Exploring Society and Cultures via Science Fiction	3

## Communication: Written, Oral, and Multimedia (9 semester hours)

Communication includes interpersonal, intercultural, and professional exchanges of information, including interactive, social, public and mass exchanges. Categories of communication include digital, oral, and written, as well as engaging in multi-modal forms of communication mediated by technology (new media), popular social media, and traditional and non-traditional public relations.

Competency: Be conversant in one or more forms of communication (digital, written, and oral).

Code	Title	Semester Hours
COMM120	Information and Digital Literacy	3
COMM200	Public Speaking	3
COMM285	Interpersonal Communications (Public Health Majors)	3
ENGL101	Proficiency in Writing	3
ENGL110	Making Writing Relevant	3
ENGL115	Argumentation and Rhetoric	3
ENGL210	Introduction to Literature	3
ENGL220	Technical Writing	3
ENGL221	Scientific Writing	3
ENGL226	Effective Business Communication	3
HRMT101	Human Relations Communication	3
IRLS200	Information Literacy and Global Citizenship	3
ITCC231	Introduction to Information Technology Writing	3
MGMT100	Human Relations	3

## History (3 semester hours)

Courses explore cultural heritage around the world in both ancient and modern civilizations. Students will recognize the importance of various historical events in analyzing contemporary, social, political, technological, and economic issues.

Competency: Contemplate and interpret the impact and relevance of various historical events on contemporary issues.

Code	Title	Semester Hours
HIST101	American History to 1877	3
HIST102	American History since 1877	3
HIST111	World Civilization before 1650	3
HIST112	World Civilization since 1650	3
HIST121	Western Civilization before The Thirty Years War	3
HIST122	Western Civilization since The Thirty Years War	3
HIST221	African-American History before 1877	3
HIST222	African-American History since 1877	3

HIST223	History of the American Indian	3
HIST270	History of Science	3
STEM185	The History and Context of STEM	3

## Mathematics and Applied Reasoning (3 semester hours)

Focuses on the development of quantitative and qualitative logical literacy. Students will prepare for advanced study by practicing analytical concepts and problem solving techniques. This category focuses on the conceptual and theoretical tools students need to make decisions based on the evaluation of data, and to gather, organize, analyze, and draw inferences from information.

Competency: Utilize qualitative and quantitative analysis in addition to scientific reasoning to problem-solve effectively.

Code	Title	Semester Hours
ACCT100	Accounting I	3
ACCT105	Accounting for Non Accounting Majors	3
ENTD200	Fundamentals of Programming	3
MATH110	College Algebra	3
MATH111	College Trigonometry	3
MATH112	Pre-Calculus	3
MATH120	Introduction to Statistics	3
MATH125	Math for Liberal Arts Majors	3
MATH225	Calculus	3

## Natural Sciences (3 - 4 semester hours)

Provides students with the ability to use the inquiry-based process of science to describe, evaluate, and consider alternative explanations for scientific findings. Students will apply key concepts, facts, and theories about living systems and the physical universe, and use describe the scientific method and the quantitative tools of science. Students will relate that information to problems of wide global and societal concern.

Competency: Describe the inquiry-based scientific process to formulate hypotheses, make observations, design experiments, collect and analyze data, and reach conclusions.

Code	Title	Semester Hours
BIOL180	Introduction to Biology <sup>2</sup>	3
BIOL181	Introduction to Human Anatomy and Physiology <sup>2</sup>	3
CHEM180	Introduction to Chemistry <sup>2</sup>	3
ERSC180	Introduction to Meteorology <sup>2</sup>	3
ERSC181	Introduction to Geology <sup>2</sup>	3
EVSP180	Introduction to Environmental Science <sup>2</sup>	3
PHYS180	Introduction to Physics <sup>2</sup>	3
SPST180	Introduction to Astronomy <sup>2</sup>	3
STEM100	Introduction to STEM Disciplines (Computer Technology and Electrical Engineering Majors) <sup>2</sup>	3
BIOL133	General Biology I with Lab (Health Sciences and Sports and Health Sciences Majors) <sup>2</sup>	4

- <sup>1</sup> All literature courses require successful completion of ENGL101 Proficiency in Writing or ENGL110 Making Writing Relevant.
- <sup>2</sup> Please note that some degree programs specify science courses to fulfill general education requirements, while others allow for a choice of any science course from the list above.

## The Richard G. Trefry Library

The Trefry Library is an electronic academic library serving students, faculty and staff. It is comprised of thousands of licensed article/scholarly journal databases, books and ebooks, and video collections chosen specifically to support the educational programs at AMU and APU. Students can access the library directly from the classroom or their ecampus page. Faculty access is provided through the classroom and the Faculty Connect portal.

The Trefry Library offers an array of resources and self-help tools like math tutorial videos, streaming film & music, Pronunciator language lab, and information literacy tutorials. We offer information on how to get access to live one-on-one tutoring on a wide variety of subjects, and our Writing@APUS writing reference resource provides supplemental writing support for APUS writers across disciplines.

The mission of the Richard G. Trefry Library is to provide quality resources to support learning across all disciplines. Our goal is to assist students in the development of information literacy skills relevant to the digital era in order to promote research, discovery, and critical thinking. We offer research and reference guidance, using methods of communication that fit the lifestyle of today's students. We support the university's mission by providing virtual access to American Public University System students and faculty worldwide.

Our staff of professional librarians is available 365 days a year to assist students and faculty with research strategies and website navigation at [librarian@apus.edu](mailto:librarian@apus.edu)

## Examinations and Proctors

APUS professors use examinations as one method of evaluating student performance during a course. Examinations may be proctored or unproctored, and professors can set any exam so that a proctor is required. Proctors are individuals who ensure the integrity of the examination process by monitoring student work during the exam and verifying that the student complied with exam instructions regarding the use of outside materials, doing their own work, etc. If a proctor is required, the student must locate a suitable proctor who will be able to give the student access to a computer for 3-4 hours and who has an email address. Proctors must meet certain qualifications, as described in the Student Handbook section covering the Online Examination Process.

Prior to exam day, the professor will email a password to your proctor. On the day of your exam, your proctor will provide the password and monitor you as you take your final exam online.



# Student Learning Outcomes and Assessment

The American Public University System (APUS) has adopted the Lumina Foundation's Degree Qualifications Profile (DQP) framework across its associate, bachelor's, master's, and doctoral degree programs. The DQP framework illustrates students' expected knowledge and skillset upon earning a degree. Based on more than a decade of research across all levels of higher education, the framework defines expected learning outcomes that all graduates need regardless of academic specialization.

The DQP framework is aligned with APUS's mission of providing a quality higher education while preparing students for service and leadership in a diverse, global society. To ensure that AMU and APU students are prepared for success, student learning outcomes are defined at three levels: institutional (outlined in this catalog); degree program (identified in the degree program descriptions on the AMU/APU websites); and course (identified in the syllabi for each course) levels.

## Institutional Student Learning Outcomes

AMU and APU students are expected to demonstrate proficiency in the following learning areas upon completion of any academic program in any discipline:

- **Specialized/Industry Knowledge** addresses what students in any specialization, major field of study, or career pathway should demonstrate with respect to that specialization.
- **Broad and Integrative Knowledge** asks students to bring together learning from industry knowledge, experience, and/or different fields of study to discover and explore the implications of concepts and questions that bridge essential areas of learning/practice as well as integrate their knowledge to advance solutions in support of a humane, just, and democratic society.
- **Intellectual Skills** includes analytic inquiry, use of information resources, engaging diverse perspectives, ethical reasoning, quantitative fluency and communicative fluency.
- **Applied and Collaborative Learning** emphasizes what students can do with what they know. Students are asked to demonstrate their learning by addressing unscripted problems in scholarly inquiry, at work and in other settings outside the classroom, individually and in teams.
- **Civic/Democratic and Global Learning** recognizes higher education's responsibilities both to democracy and the global community. Students engage in integration of their knowledge and skills by addressing and responding to civic, social, environmental, economic, equity, inclusion, and social justice challenges at local, national, and global levels.
- **Digital Information Literacy** is concerned with responsibly, safely, ethically, effectively and efficiently accessing, evaluating, collaborating, organizing, and distributing information in the digital world. It includes using tools, technologies, techniques, and best practices, to develop responsible and safe consumers and communicators of information in the digital information world to support research and to solve real world problems.

## Program Level Student Learning Outcomes

AMU and APU students are expected to achieve student learning outcomes at the **degree program level** upon graduation from a particular degree program. Student learning at the degree program level is assessed through end-of-program capstone experiences to ensure the student has achieved proficiency in the knowledge and skills expected of a professional in the respective discipline. Signature assessments and standardized tests are examples of measures used to evaluate the effectiveness of students achieving desired learning outcomes at the degree program level.

## Course Level Student Learning Outcomes

AMU and APU students are expected to achieve **course level** student learning outcomes upon completion of a course. Course developed exams, simulations, case studies, discussion boards, collaborative research projects, and writing assignments are examples of measures used to evaluate the effectiveness of students achieving desired learning outcomes at the course level.

## Assessment of Student Learning Outcomes

APUS is committed to student learning assessment and its impact on the quality of teaching and learning. The learning outcomes assessment program at APUS:

- Provides students with useful information about their current skills, knowledge, and competencies.
- Enables the University to evaluate the effectiveness of its academic courses and programs in terms of achieving the desired learning outcomes for its students.
- Is used for continuous improvement at all levels of the institution.
- Ensures that students are prepared for success in work and citizenship in a diverse, global society.

APUS uses a variety of direct and indirect assessment measures to evaluate student learning and improve the quality of teaching and learning at the undergraduate and graduate levels. The assessment of student learning at APUS is guided by the student learning outcomes posted in the catalog, AMU/APU websites, and courses. Student learning outcomes assessment is conducted at the institutional, degree program, and course level, whereby each level is aligned and designed to complement each other; providing a comprehensive view of student learning and the effectiveness of academic programs.

Students are required to participate in learning outcomes assessment activities at APUS and will be given adequate notice of any course and/or non-course related assessment activities they are responsible for completing. APUS is committed to protecting the privacy of its students including ensuring the confidentiality of student work submitted for assessment as well as the feedback resulting from assessment activities. For more information and samples of assessment data please visit the APUS Learning Outcomes Assessment website (<https://www.apus.edu/academic-community/learning-outcomes-assessment>).

## Institutional Student Learning Outcomes

### At the Associate level, the student

Specialized Knowledge	Broad, Integrative Knowledge	Intellectual Skills	Applied Learning	Civic Learning	Digital Information Literacy
Describes the scope and principal features of the field of study, citing core theories and practices, and offers a similar explication of a related field	Describes how existing knowledge or practice is advanced, tested and revised	Identifies, categorizes and distinguishes among ideas, concepts, theories and practical approaches to problems (Analytic inquiry)	Describes in writing a case in which knowledge and skills acquired in academic settings are applied to a challenge in a non-academic setting; evaluates the learning gained; and analyzes a significant concept or method related to the course of study in light of learning from outside the classroom	Describes their own civic and cultural background, including origins, development, assumptions and predispositions	Develops an appropriate research question using continual refinements and improvements that includes feedback from classmates and instructor

Illustrates the field's current terminology	Describes and examines perspectives on key debates within the field and in society	Identifies, categorizes and appropriately cites information for an academic project, paper or performance (Use of information resources)	Locates, gathers and organizes evidence on an assigned research topic addressing a course-related question or a question of practice in a work or community setting; offers and examines competing hypotheses in answering the question	Describes historical and contemporary positions on democratic values and practices, and presents their position on a related problem	Accesses information using simple search strategies and a limited number of familiar search tools
Generates substantially error-free products exhibits, or performances in the field	Illustrates core concepts of the field while executing analytical, practical or creative tasks	Describes how cultural perspectives could affect interpretation of problems in the arts, politics or global relations. (Engaging diverse perspectives)		Takes an active role in the community (work, service, co-curricular activities) and examines civic issues encountered and insights gained.	Evaluates and selects sources using basic criteria such as relevance to the research question and currency of the information
	Selects and applies recognized methods in interpreting discipline-based problems	Presents accurate calculations and symbolic operations and explains their use either in the field of study or in interpreting social or economic trends (Quantitative fluency)			Communicates information from sources accurately
	Assembles evidence relevant to problems, describes its significance, and uses it in analysis	Presents substantially error-free prose in both argumentative and narrative forms to general and specialized audiences (Communication fluency)			Attempts to cite sources using a consistent citation style that is appropriate to the discipline
	Describes the ways in which at least two disciplines define, address and justify the importance of a contemporary challenge or problem				Discusses some of the ethical and legal issues revolving around the consumption and production of information in a digital environment

## At the Bachelor's level, the student

Specialized Knowledge	Broad, Integrative Knowledge	Intellectual Skills	Applied Learning	Civic Learning	Digital Information Literacy
Defines and explains the boundaries, divisions, styles and practices of the field	Frames a complex scientific, social, technological, economic or aesthetic challenge or problem from the perspectives and literature of at least two academic fields and proposes a "best approach" to the question or challenge using evidence from those fields	Differentiates and evaluates theories and approaches to complex standard and non-standard problems within their major field (Analytic inquiry)	Presents a project, paper, performance or other appropriate task linking knowledge and skills from work, community or research activities with knowledge acquired in academic disciplines; explains how elements were combined to shape meaning or findings; and shows the relationship to relevant scholarship	Explains diverse perspectives on a contested issue and evaluates insights gained from different kinds of evidence reflecting scholarly and community perspectives	Develops an appropriately specific research question or thesis by engaging in independent background research
Defines and properly uses the principal terms in the field, both historical and contemporaneous	Produces, independently or collaboratively, an investigative, creative or practical work that draws on specific theories, tools and methods from at least two academic fields	Incorporates multiple information resources in different media or languages in projects, papers or performances, with appropriate citations; and evaluates the relative merits of competing resources with respect to clearly articulated standards (Use of information resources)	Formulates a question on a topic that addresses more than one academic discipline or practical setting, locates appropriate evidence that addresses the question, evaluates the evidence in relation to the problem's contexts, and articulates conclusions that follow logically from analysis	Develops and justifies a position on a public issue and relates this position to alternative views within the community or policy environment	Accesses information using a variety of search strategies and search tools, refining searches as appropriate

Demonstrates fluency in the use of tools, technologies and methods in the field	Explains a problem in science, the arts, society, human services, economic life or technology from the perspective of at least two academic fields, explains how the methods of inquiry and research in those disciplines can be brought to bear, judges the likelihood that the combination of disciplinary perspectives and methods would contribute to the resolution of the challenge, and justifies the importance of the challenge in a social or global context	Constructs a cultural, political or technological alternate vision of either the natural or human world through a written project, laboratory report, exhibit, performance or community service design; defines the distinct patterns in this alternate vision; and explains how these patterns differ from current realities (Engaging diverse perspectives)	Completes a field-based assignment in the course of study that employs insights from others; evaluates a significant question in relation to concepts, methods or assumptions in at least one academic field; and explains the implications of learning outside the classroom	Collaborates in developing and implementing an approach to a civic issue, evaluates the process and, where applicable, weighs the result	Evaluates and selects sources using multiple criteria, including relevance, currency, authority, and purpose
Evaluates, clarifies and frames a complex question or challenge using perspectives and scholarship from the student's major field and at least one other		Translates verbal problems into mathematical algorithms, constructs valid arguments using the accepted symbolic system of mathematical reasoning, and constructs accurate calculations, estimates, risk analyses or quantitative evaluations of public information through presentations, papers or projects (Quantitative fluency)			Communicates, organizes, and synthesizes information from sources to achieve a specific purpose that goes beyond summarizing those sources

Constructs a project related to a familiar but complex problem in the field of study by assembling, arranging and reformulating ideas, concepts, designs or techniques

Constructs sustained, coherent argument or presentation on technical issues or processes in more than one language and in more than one medium for general and specific audiences; and works through collaboration to address a social, personal or ethical dilemma (Communication fluency)

Quotes, paraphrases, and cites information correctly and consistently, with very few citation errors and misinterpretations/ misuses of source material

Constructs a summative project, paper or practice-based performance that draws on current research, scholarship and/or techniques in the field

Clearly articulates several ethical and legal issues revolving around the consumption and production of information in a digital environment

## At the Master's level, the student

Specialized Knowledge	Broad, Integrative Knowledge	Intellectual Skills	Applied Learning	Civic Learning	Digital Information Literacy
Elucidates the major theories, research methods and approaches to inquiry, and/or schools of practice in the field; articulates relevant sources; and illustrates their relationship to allied fields	Articulates how the field has developed in relation to other major domains of inquiry or practice	Disaggregates, adapts, reformulates and employs in an essay or project principal ideas, techniques or methods at the forefront of the field (Analytic inquiry)	Creates a discrete project, paper, exhibit, performance or other appropriate task reflecting integration of knowledge acquired in practicum, work, community or research activities with knowledge and skills from at least two disciplines representing different segments of the curriculum (e.g., computer science and anthropology); documents the sources of the knowledge and skills reflected in the integration; articulates in writing how these elements influenced the resulting product; and assesses the significance of the work in light of major debates or developments in the primary field(s)	Assesses and develops a position on a significant public policy question in the student's field, taking into account scholarly and community perspectives	Effectively develops a focused and sophisticated research question or thesis that engages with questions and ideas that are important to scholars in the discipline

Assesses the contributions of major figures and organizations in the field; describes its major methodologies and practices; and implements at least two such methodologies and practices through projects, papers, exhibits or performances	Designs and executes an applied, investigative or creative work that draws on the perspectives and methods of other fields and assesses the resulting gains and difficulties	Provides adequate evidence through papers, projects, notebooks, computer files or catalogues of expanding, assessing or refining either a recognized information resource or an information base within the field (Use of information resources)	Creates, designs and implements a performance or project in an out-of-class setting requiring application of advanced knowledge to a practical challenge; articulates insights gained from the field experience; assesses, with appropriate citations, selected approaches or scholarly debates applicable to the problem; articulates a reasoned judgment on selected issues in the field; and assesses standards for professional performance and continuing development with specific reference to the experience	Accesses information using effective, well-designed search strategies and search tools that are most appropriate for the specific topic, efficiently and creatively refining searches on the fly as needed
Articulates major challenges involved in practicing the field, elucidates its leading edges, and delineates its current limits with respect to theory, knowledge and practice	Articulates and defends the significance and implications of their specialized work in terms of challenges, trends and developments in a social or global context	Address in a project, paper or performance a core issue in the field from the perspective of a different point in time or a different culture, political order or technological context, and elucidates how the perspective contributes to results that depart from current norms, dominant cultural assumptions or technologies (Engaging diverse perspectives)		Evaluates and selects a comprehensive set of sources to engage with that are appropriate to the discipline and the scope of the research question, using multiple criteria to assess relevance, currency, authority, accuracy, purpose, audience and ideological perspective



<p>Initiates, assembles, arranges and reformulates ideas, concepts, designs and techniques in carrying out a project directed at a challenge in the field beyond conventional boundaries</p>	<p>Not seeking a degree in a quantitative field employs and applies mathematical, logical or statistical tools to problems within the field in a project, paper or performance, while the student seeking a degree in a quantitative field articulates and undertakes multiple appropriate applications of quantitative methods, concepts and theories (Quantitative fluency)</p>	<p>Clearly and effectively communicates, organizes, and synthesizes complex and often contradictory information from sources and/or independent experiments and other data collection strategies to advance knowledge in the discipline</p>
	<p>Creates sustained, coherent explanations and reflections on the student's own work in two or more media or languages to both general and specialized audiences (Communication fluency)</p>	<p>Quotes, paraphrases, and cites information correctly and consistently, always using information in ways that are true to the original context</p>
		<p>Analyzes some of the more advanced ethical and legal issues revolving around the consumption and production of information in a digital environment, such as ongoing controversies about topics such as fair use and privacy in social networking environments</p>

## At the Doctoral level, the student

Specialized Knowledge	Broad, Integrative Knowledge	Intellectual Skills	Applied Learning	Civic Learning	Digital Information Literacy
Makes judgments about the merit and efficacy of relevant theories, approaches and concepts of the discipline	Articulates and defends the use of theories, approaches, and concepts relevant to the discipline in a professional and academic setting	Judges the appropriate use of qualitative and quantitative methodologies in the discipline	Applies theories, concepts, and appropriate methods to both real world and simulated real world examples	Analyzes and gains an appreciation for the decision making, beliefs, language, culture and psychology of foreign actors	Demonstrates advanced digital information literacy skills in research and knowledge promulgation, and defends choices made
Makes informed judgments about issues and challenges related to the discipline	Defends research, positions, and judgments made about issues and challenges in a professional and academic setting	Communicates in the style of the discipline in oral and written form	Judges the work of peers and demonstrates ethical and professional behavior in group projects	Reflects upon and analyze lessons learned from partaking in simulated real world, and real world exercises	
	Articulates the development and current academic and professional practice of the discipline	Abides by ethical and professional standards			
	Integrates theories, approaches, concepts, methods, and analysis, and contributes to the body of knowledge in the discipline				

# Admission and Registration

The university's admissions team is comprised of dedicated staff members who work to support you from the first time you request information about the university through completion of your first week of courses here. The team provides you with guidance on enrolling in a program, understanding policies and procedures, and also acts as your liaison with financial aid, student services, and other departments at the university. If you have any questions, an admissions team member is ready to help!

Need to speak with a team member?

Admissions Coaches are available Monday - Thursday from 8 a.m. to 8 p.m., Fridays from 8 a.m. to 4:30 p. m., and Saturdays from 11 a.m. to 3 p.m. All hours are Eastern Time (ET). You can reach us by phone at 877-755-2787 or email at [info@apus.edu](mailto:info@apus.edu).

## Application and Registration Process

To begin your enrollment process, you will need to review our policies and procedures and declare your academic goal during completion of the online application for admission. Upon completion of the application, an Admissions Coach will work with you throughout the enrollment process.

# Admissions Criteria and Status

## Undergraduate Admissions Criteria

- You must have at least a high school diploma or equivalent (i.e. GED, international high school equivalent, etc.) to apply to the University.
- Please be prepared to submit a legible color copy of your valid government-issued photo ID (civilian students) or government issued JST or CCAF transcript (military students) upon request.
- You may be required to fulfill additional admission requirements based on the program you select during the admission application.
- If you are a transfer student, you will be asked to submit your transcripts from any other schools where you earned college-level academic credit.

## Admissions Status

You will be admitted to the University after you have submitted the online application for admission and verified that you meet any additional admission requirements. After you are admitted to the University, an Admissions Coach is available to walk you through all the follow-up steps and discuss any remaining documentation that will be required.

## Equal Opportunity

The University is committed to equal opportunity in student admissions, financial assistance, and other policies and procedures without regard to age, sex, race, color, religious belief, national origin, status as a qualified person with a disability or handicap, marital status, or sexual orientation. All interested individuals are encouraged to apply. Admissions questions should be emailed to [info@apus.edu](mailto:info@apus.edu).

# Course Registration

You may register for courses when you have been admitted to the University. If you are using Federal Student Aid as your payment type, you will need to select an academic year when you register for courses.

## Transfer Students

If you have credits to transfer from another university, you may wish to wait until after you have submitted your transfer credit evaluation form and the process is complete before you register for courses.

## Tuition, Fees, and Financing

We understand that choosing where to start or continue your college education comes with some level of uncertainty, which is why we offer easy-to-understand tuition rates, low-cost fees with no surprises, and plenty of help with financial aid. As you'll quickly discover, our competitive tuition rates make earning your degree here not only a smart investment in your future, but a responsible financial decision.



# Tuition and Fees

The University System operates nearly exclusively through tuition revenue and provides affordable education. The following is the current tuition/fee schedule:

## Tuition

Tuition Rates per Credit Hour

- Undergraduate: \$350 | Preferred Military Rate of \$250\*
- Master's Degree and Graduate Certificate: \$455 | Preferred Military Rate of \$250\*
- Audit: \$100

8- and 16-Week Sessions	2 semester hours	3 semester hours	4 semester hours
Undergraduate Academic Credit	\$700/\$500*	\$1050/\$750*	\$1400/\$1000*
Graduate Academic Credit	N/A	\$1365/\$750*	\$1820/\$1000*
Audit	\$200	\$300	\$400

\* **Preferred Military Rate:** All U.S. active-duty servicemembers, National Guard members, Reservists, and military families, (parents, spouses, legal partners, siblings, and dependents) are eligible for the Preferred Military Rate of \$250/credit for for undergraduate and master's-level courses. The Preferred Military Rate, which is applied automatically, supersedes all other university grants and special rates, and cannot be combined with any other special promotions. Please note that a technology fee applies to master's-level courses.

**Veteran Grant:** All veterans and family members (parents, spouses, legal partners, siblings, and dependents) are eligible to receive a 10% Veteran Grant on standard undergraduate-level courses and a 15% Veteran Grant master's-level courses. Course grants cannot be combined with any other special rates, promotions, or grants and only one can be applied per course.

**Opportunity Grant:** All non-Military or Veteran affiliated students are eligible to receive a 10% Opportunity Grant on standard undergraduate and master's-level courses. Course grants cannot be combined with any other special rates, promotions, or grants and only one can be applied per course.

## Fees

Admission Fee	\$0
Registration Fee	\$0
Late Registration Fee	\$50
Graduate Technology Fee (per course)	\$85
Average Undergraduate Course Materials (per course)	\$0
Average Graduate Course Materials (per course) - Active-duty military students	\$0
Average Graduate Course Materials (per course)	\$100
Undergraduate Prior Learning Assessment Fee	\$250
Graduate Prior Learning Assessment Fee	\$325
Completion Fee: Certificate	\$25
Graduate Comprehensive Exam	\$250
Graduation Completion Fee for most degrees	\$250

Transcripts (each):

Official electronic <sup>1</sup>	\$15
Official paper <sup>1</sup>	\$20

<sup>1</sup> Plus applicable state and local sales tax

## Cost of Attendance

Learn more about APU's cost components and full cost of attendance (<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.apu.apus.edu%2Ftuition-and-financing%2Fpolicies%2Fcost-of-attendance%2F&data=05%7C01%7CCatalog%40APUS.EDU%7C6bb322301f114994e62a08db86e1d8ce%7C0bdfec6ad9451b8df007e43d531d67%7C0%7C0%7C638252076825911218%7CUnknown%7CTWfpbGZsb3d8eyjWljoiMC4wLjAwMDAiLCJQljoiv2luMzliLCJBTil6lk1haWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=YZqHU9vMmZs3sxfkBFjmAepLfxYTIVWGjGQZ2OO67vc%3D&reserved=0>).

Learn more about AMU's cost components and full cost of attendance (<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.amu.apus.edu%2Ftuition-and-financing%2Fpolicies%2Fcost-of-attendance%2F&data=05%7C01%7CCatalog%40APUS.EDU%7C6bb322301f114994e62a08db86e1d8ce%7C0bdfec6ad9451b8df007e43d531d67%7C0%7C0%7C638252076825911218%7CUnknown%7CTWfpbGZsb3d8eyjWljoiMC4wLjAwMDAiLCJQljoiv2luMzliLCJBTil6lk1haWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=mvtxc5P4SYyANmT4XhP9JSxhtYcmRcs3ccih7AnSBO4%3D&reserved=0>).

## Satisfactory Academic Progress (SAP)

Satisfactory Academic Progress (SAP) indicates the successful completion of coursework towards a degree or certificate.

- According to federal regulations, students who fail to make SAP in their education program will lose their eligibility to receive Federal Student Aid (FSA) funds (i.e., financial aid).
- SAP rules apply to all students applying for financial aid, including those who have not previously received financial aid.
- APUS evaluates a student's SAP at the end of each payment period (i.e., semester). If APUS determines that a student has failed to meet the University's SAP standards, the student may be placed on a "financial aid warning" semester during which they may retain their FSA eligibility. This determination is made at APUS's discretion.
  - Students are only eligible for financial aid warning status if the following criteria is met:
    - The student had no "unearned F's" in the previous semester.
    - The student was previously meeting SAP without a warning or appeal in the most recent completed semester or was in the first payment period of their program when they failed to meet SAP.
- If APUS determines that a student has failed to meet the University's SAP standards and determines that a financial aid warning is inappropriate, the student will lose their FSA eligibility. Students who lose their FSA eligibility may appeal the loss provided there are extenuating circumstances that inhibited their academic progress (e.g., student illness or injury, death of a relative.)
- Students who submit an appeal must provide:
  - A statement that explains the extenuating circumstances that contributed to the student's failure to meet SAP **and** what has changed in the student's situation that will allow the student to either meet SAP at the next evaluation or to meet the requirements of an academic plan that would lead to meeting SAP in the future.
  - Documentation that confirms the extenuating circumstances and date(s) during which the events occurred.
- If an appeal is approved, the student is placed on "financial aid probation" and their FSA eligibility is reinstated for one semester. The student must meet SAP at the next evaluation or meet the requirements of the academic plan in order to remain FSA eligible for future semesters.
- If a student's appeal is unsuccessful, the student may take classes to demonstrate improvement for a future appeal, but they cannot receive FSA to pay for those classes. A student cannot meet SAP simply by paying for their classes on their own but must earn the necessary GPA or completion rate.
- To otherwise restore FSA eligibility, students must achieve the GPA and credit hour completion targets as defined in the policy.

SAP is evaluated based on grades posted at the end of each semester (defined as a 16-week period of academic study).

- The criteria used to measure Satisfactory Academic Progress include:
  - Cumulative grade point average (qualitative)
  - Credit hour completion/Program Pace (quantitative)
- The requirements of each criterion must be met and are described in detail below.

## Cumulative Grade Point Average (CGPA)

- Cumulative GPA is the qualitative measure of SAP, meaning that it looks at the quality of the grades that each student earns in their courses.
- CGPA is initially calculated after 6 undergraduate credits, or 6 graduate credits are completed at APUS. Evaluation thereafter occurs at the end of each semester according to the table below.
- Only credits completed at APUS with a final grade of A through F are included in the CGPA calculation.
- If a failed course is retaken, the later grade will replace the failed grade and factor into the CGPA.
- To meet SAP requirements, students must maintain a CGPA that meets or exceeds our minimum as shown in the chart below.
- Students who fail to meet CGPA requirements will be determined ineligible for FSA.

## SAP Criteria on Cumulative GPA (CGPA) and Credits Completed

Class Level	Total Credits Completed (including transferred Minimum CGPA Required for Financial Aid credits <sup>1</sup> )	
Undergraduate Students	6-12	1.50
	13+	2.00
Masters and Graduate Students	6-8	2.50
	9+	3.00
RN to MSN	6-8	2.50
	9+	3.00
Doctoral	6+	3.00

<sup>1</sup> Credits transferred in from another college or university via an official Transfer Credit Evaluation are factored into the calculation of how many credits a student has completed in determining the minimum Cumulative GPA threshold from the chart.

## Credit Hour Completion and Program Pace

Credit hour completion is the quantitative measure of SAP, meaning that students must complete a certain percentage of courses toward certificate or degree completion in order to maintain FSA eligibility. Each academic program within our university system has a defined number of credit hours required for completion. To maintain SAP, students must achieve a minimum percentage of credits completed (i.e., earned) versus credits attempted.

- A student must complete their program within 150% of the published length of the program. For example, a student in a two-year program must be on track to complete their program within three years.
- Any course in which the student remains beyond Week One (add/drop) will count towards attempted credits regardless of the grade received.
- Undergraduate courses with a final undergraduate grade of A through D- will be counted towards credits attempted and completed.
- Graduate courses with a final grade of A through C will be counted towards credits attempted and completed.
- Final grades that fall below the minimums (D- for undergraduates and C for graduates) are not counted as credits completed but will be considered credits attempted.
- Courses with grades of incomplete ("I") will not be considered attempted until a final grade is earned by the student, or the Registrar or instructor converts the "I" grade to an "F".
- Doctoral courses with a final grade of Satisfactory ("S") will be counted towards credits attempted and completed.
- Doctoral courses with a final grade of Unsatisfactory ("U") are not counted as credits completed but will be considered credits attempted.
- Courses from which a student has withdrawn ("W") will be counted towards credits attempted.
- Courses dropped within the add/drop period will not be counted towards credits attempted.
- Course retakes: All attempted courses are factored into the credit hour completion percentage.
- Remedial courses do not count towards attempted credits; however, APUS does not offer remedial courses.
- Repeated courses will count as attempted courses.
- For students who change programs, credits that apply to the new program will be counted in credit hour completion and program pace.

*Note: All students are required to log into each of their courses during Week One and submit an academic activity. Students who do not submit this assignment during the first week of class will be administratively dropped from any courses for which this assignment has not been completed.*

## SAP Criteria Based on Credits Attempted versus Credits Completed

Class Level	Credits Attempted	Credits Completed %
Undergraduate Students	6-12	50%
	13-24	60%

	25-36	65%
	37+	67%
Masters and Graduate Students	6-9	50%
	10-18	60%
	19+	67%
RN to MSN	6-9	50%
	10-18	60%
	19+	67%
Doctoral Students	6-9	67%
	10+	75%

Credits transferred from another college or university are included in determining the credits completed percentage for the quantitative measure - completed hours divided by attempted hours. Likewise, the total of APUS and transfer credits that a student has from another college or university will be factored into determining where they fall on the chart above.

## Financial Aid Appeal Process

If APUS determines that a student has not met SAP, the student will be placed on "Financial Aid Denial" status, meaning they have lost their FSA eligibility. Any student placed on "Financial Aid Denial" status may appeal their denial due to extenuating circumstances (i.e., situations that have had a negative effect on the student's ability to successfully meet SAP standards, such as student illness or injury, death of a relative, or other special circumstances).

An electronic SAP Appeal Form is made available to students who are not meeting SAP through their ecampus. This form may be found in the ecampus FINANCE CENTER under the subsection for "Satisfactory Academic Progress". Students who complete an appeal are required to provide supporting documentation. A hard copy SAP appeal form is also available, as needed.

Appeals must include a written statement submitted to APUS Financial Aid Services that addresses the extenuating circumstances that contributed to the student's failure to meet SAP and what has changed in the student's situation that will allow the student to either meet SAP at the next evaluation or to meet the requirements of an academic plan that would lead to meeting SAP in the future. The student also must provide documentation to support the existence of the extenuating circumstances. The deadline to submit the completed appeal form, with supporting documentation, to Financial Aid Services is the Thursday of the start week of the semester after the student has been informed of their "Financial Aid Denial" status. No appeals will be accepted for after that date. An appeals Committee will consider all appeals. Students will be notified by email of the committee's decision. All decisions made by the committee are final.

## Loss of Financial Aid Eligibility

Students failing to meet or maintain SAP during any period of evaluation will be placed on "Financial Aid Denial" status and will lose FSA eligibility. Students who receive veterans' education benefits will also lose eligibility for that funding. Students will be notified of their "Financial Aid Denial" status by our university system financial aid staff. To regain FSA eligibility, students must successfully appeal the determination or otherwise satisfy all SAP requirements.

## Re-establishing Financial Aid Eligibility

Students placed on "Financial Aid Denial" status may reestablish their FSA eligibility by attending and earning the GPA and semester hour requirements of the SAP policy without the use of FSA funding. Once students meet SAP requirements, APUS will package and disburse eligible aid for which they have applied.

## Financial Aid "Warning" Period

The school may reinstate eligibility for aid for one payment period and may do so without a student appeal. This "financial aid warning" status may be granted only to students who were making SAP in the prior payment period in which they were enrolled or who were in the first payment period of their program when they failed to meet SAP. The financial aid warning is applied through APUS automation; the student is sent an email notification, and the status is noted on the Financial Information Screen in PAD.

- Students do not qualify for financial aid warning status if there are any "unearned F's" in last semester
- Typically, a financial aid warning is granted only once. APUS in its discretion may permit a second warning status if the student meets SAP standards at the next evaluation, then subsequently fails to meet SAP.

## SAP Policy Provisions (Waivers and Flexibility) Related to the COVID-19 National Emergency

Section 3509 of the CARES Act allows institutions to exclude from the quantitative component (pace measurement) of satisfactory academic progress (SAP) attempted credits a student was unable to complete as a result of the COVID-19 national emergency. APUS has opted not to exercise this flexibility and instead directs students to use the appeal process if a determination is made that the student has not met SAP and is therefore FSA ineligible. APUS may exercise discretion and flexibility with document requirements if it is determined that circumstances related to Covid-19 contributed to the student's inability to meet SAP.

# Drop/Withdrawal/Refund and Extension Policies

## Drop/Withdrawal/Extension and Tuition Refund Policies

Students registered for a course are expected to complete all scheduled requirements (as listed in the classroom's course syllabus) within the allotted timeframe: 8 weeks, or 16 weeks. If a student changes their mind about taking a course, or circumstances prevent them from completing a course for which they are registered, they may consider requesting a course drop, withdrawal or extension. Students should be aware that any change to their enrollment status due to dropping, being administratively dropped, or withdrawing from any course may impact their financial aid.

## Withdrawal Counseling

Students experiencing difficulties that may prevent them from completing their coursework on time should discuss their situation with their instructor. In extreme situations, they may wish to consult the Student Handbook to determine whether they should submit a formal request for a course extension or withdraw from the course entirely. Procedures for both actions are explained in the Student Handbook. Students who elect to submit a request for a course extension forfeit the option to withdraw from the course; but in most cases, a course extension is preferable because it allows time for students to complete the course and advance towards their academic goals. In addition, a course withdrawal will reduce the number of credit hours being taken during the semester and may have a negative impact on students' status as a full-time or part-time student, academic progress, and eligibility for some forms of financial aid. Required forms are available in the student eCampus.

## Drop/Withdrawal Policies and Refunds

### Course Drop

If a student decides to drop from a course, the online Drop/Withdrawal Course Form must be submitted by the posted deadline that occurs before the first week of the course has ended. APUS will not consider appeals for a drop after the first week has ended based on late book arrival as it is the student's responsibility to drop the course on time.

There are student funding approval and payment deadlines for each course. The deadlines are posted on the Academic Calendar. Students who do not have their funding approved (i.e.; a confirmed Federal Student Aid package or TA approval) or have not submitted payment by the deadline will automatically be dropped from courses.

During Week One students are required to log into all courses and submit a minimum 250-word introductory forum post for each course. Students who do not submit this forum post during the first week of class will be automatically dropped from any courses in which the forum post has not been completed. A course drop will reduce the number of credit hours being taken during the semester and may have a negative impact on student's status as a full-time or part-time student, academic progress, and eligibility for some forms of financial aid.

### Course Withdrawal

If a student earning academic credit submits an online Drop/Withdrawal Course Form after the first week of the course, then they will be withdrawn and receive a grade of "W" as long as the withdrawal was requested during the allowed timeframe. A "W" grade does not carry a grade point value and has no effect on the student's cumulative APUS GPA. However, a withdrawn course is considered an attempted course and will be factored into the quantitative measure of Satisfactory Academic Progress (SAP) for financial aid.

Students taking courses as Audit (not seeking academic credit) will receive a "W" if they withdraw at any time during the course. Students taking Audit courses are not eligible for any tuition refund after week 1 of their course. Course Withdrawals may be requested after the start of the second week until the beginning of the last week of the course. The date of withdrawal will be the date the request is received.

## Tuition Refunds

Tuition refunds are given for courses taken for academic credit under the guidelines listed below.

Institutional Refunds are processed as follows:

- After a course begins, refunds will be based on the weekly course schedule.
- Please find the appropriate session length on the Refund Schedule below to determine the refund.

Students should allow 30 days for the processing of tuition refunds.

## Tuition Refund Schedules

The institution refund schedules below apply unless a specific state refund policy applies for a student and the state policy is more beneficial to the student than the below schedules.

### 2-Week Course - Tuition Refund Schedule

Withdrawal Request Date	Tuition Refund Percentage
Before or During Week 1	100%
During Week 2	No Refund

### 8-Week Course - Tuition Refund Schedule

Withdrawal Request Date	Tuition Refund Percentage
Before or During Week 1	100%
During Week 2	75%
During Weeks 3 and 4	50%
During Weeks 5 through 8	No Refund

### 16-Week Course - Tuition Refund Schedule

Withdrawal Request Date	Tuition Refund Percentage
Before or During Weeks 1 or 2	100%
During Weeks 3 and 4	75%
During Weeks 5 through 8	50%
During Weeks 9 through 16	No Refund

## Military TA Refund Schedule

### 2-Week Course - Tuition Refund Schedule

Withdrawal Request Date	Tuition Refund Percentage
Before or During Week 1	100%
During Week 2	No Refund



## 8-Week Course - Tuition Refund Schedule

Withdrawal Request Date	Tuition Refund Percentage
Before or During Week 1	100%
During Week 2	75%
During Weeks 3 and 4	50%
During Week 5	40%
During Weeks 6 through 8	No Refund

## 16-Week Course - Tuition Refund Schedule

Withdrawal Request Date	Tuition Refund Percentage
Before or During Weeks 1 and 2	100%
During Weeks 3 and 4	75%
During Weeks 5 through 8	50%
During Weeks 9 and 10	40%
During Weeks 11 through 16	No Refund

The Department of Defense requires the University to return any unearned Military Tuition Assistance (TA) funds to the Department should a service member withdraw from a course that was paid for using TA. If a service member withdraws from any course on or before the 60% completion date (during week 5 for an 8-week course and during week 9/10 for a 16-week course), a prorated refund will be issued back to the Department for the TA funds that were provided. The schedules above determine the prorated amount of TA funds refunded to the Department based on the date of service member's withdrawal from a course. For example, if a service member withdraws from a course at the 60% mark (during week 5 for an 8-week course and during week 9/10 for a 16-week course), 40% of TA funds used for the course will be returned to the Department. In instances when a service member stops attending due to a documented military service obligation, the University will work with the affected service member to identify solutions that may not result in a student debt to the University for the portion of TA funds returned to the Department.

## Financial Assistance

APUS offers several educational financing options including Federal Student Aid (FSA), grants and loans, alternative (private) loans, and an automatic debit payment plan. Students who intend to use FSA are encouraged to complete the Free Application for Federal Student Aid (FAFSA) as soon as possible, establish an APUS Federal Student Aid (FSA) Academic Year online and enter the online Financial Aid Office five weeks (or at least 10 days) prior to the start of the semester.

Additionally, APUS is authorized to accept funds from the U.S. Department of Defense Tuition Assistance (TA) programs as well as the Veterans Administration GI Bill® programs (including REAP and Veteran Readiness And Employment (VR&E), formerly Vocational Rehabilitation).

Students employed in the private sector should consult with their Human Resources department regarding employer-based tuition assistance programs. We also encourage you to research grants from the state in which you currently reside. To find out more about grants in your home state, please contact our Financial Aid Office ([finaid@apus.edu?subject=Email from GRANTS area of Student Handbook](mailto:finaid@apus.edu?subject=Email%20from%20GRANTS%20area%20of%20Student%20Handbook)).

## Automatic Debit Plan (ADP)

The University System offers an Automatic Debit Plan (ADP) to enable students to spread tuition payments over time by having them automatically charged to a credit card on a preset schedule. The amount and number of payments is proportional to the length of the course and ensures course tuition is paid prior to the end of the academic period. Students in 16-week courses make four ADP payments. Students in 8-week courses make two ADP payments. To be eligible for the ADP plan, any student must be registered for credit-bearing courses. Audit students are not eligible for ADP.

### ADP Schedules

#### 16-Week ADP Schedule

Upon Registration	1/4 tuition due + technology fee
15th of Session's First Month	1/4 of tuition due (i.e., for May 5th course, payment due 5/15/XX)
15th of Session's Second Month	1/4 of tuition due (i.e., for May 5th course, payment due 6/15/XX)
15th of Session's Third Month	1/4 of tuition due (i.e., for May 5th course, payment due 7/15/XX)

#### 8-Week ADP Schedule

Upon Registration	1/2 tuition due + technology fee
15th of Session's First Month	1/2 tuition due (i.e., for May 5th course, final 1/2 due 5/15/XX)

### ADP Late Payments

If a credit card is declined, the student will be notified to immediately contact [stuaccounts@apus.edu](mailto:stuaccounts@apus.edu) and make the payment. If payment is not received, the student's account is placed on "balance due hold".

# Veterans Benefits Information

## Applying for Benefits

Students interested in applying for VA Educational benefits should complete an application for benefits on the VA website (<https://www.va.gov/education/how-to-apply>). Please note, the VA Certifying Official's (VACO) at APUS cannot determine if you are eligible for VA Educational Benefits. The Department of Veterans Affairs may approve or deny benefits, based on the information provided on the application.

When completing an application for benefits, please use the following information for the school:

American Public University System  
111 West Congress Street  
Charles Town, WV 25414

## If you have never applied for VA Benefits

Students who have never completed an application for VA Benefits should complete the online application, VA Form 22-1990, using the VA's online application (<https://www.vets.gov/education/apply-for-education-benefits>). Your application will be electronically submitted to the VA Processing Center.

Please print your application and confirmation page for your records, prior to completing the online application. Once the VA has completed review of your application, the VA will mail you a Certificate of Eligibility (COE), outlining the chapter benefit you are entitled to and the number of months of benefit you can use. A copy of the COE is not submitted to the school. You may upload a copy of your COE securely through the Secure Document Upload portal (<https://mydocs.apus.edu>). Please log in with your eCampus ID and Password to upload the required document(s).

## If you are transferring or receiving transferred benefits

Students who are receiving benefits transferred from a service member or veteran will need to complete an online 22-1990e (<https://www.va.gov/education/apply-for-education-benefits/application/1990E/introduction>), Application for Family Members to Use Transferred Benefits. Please print your application and confirmation page for your records.

If you have been transferred Chapter 33 benefits, the VA will send you a Certificate of Eligibility, which will need to be submitted to APUS. Please see the Chapter 33 process for more information. You may find more information on the Transfer of Entitlement ([http://www.benefits.va.gov/gibill/post911\\_transfer.asp](http://www.benefits.va.gov/gibill/post911_transfer.asp)) option on the VA's website.

APUS requires students to submit a copy of their Transfer of Benefits documents. Documents may be securely uploaded through the Secure Document Upload portal (<https://mydocs.apus.edu>)

## If you are using survivor and dependent benefits

Students who are receiving benefits for survivors and dependents, will need to complete an online 22-5490 (<https://www.va.gov/education/apply-for-education-benefits/application/5490/introduction>), Application for Survivors and Dependents' Educational Assistance.

If you are eligible for Dependents Education Assistance (DEA – Chapter 35) or the Fry Scholarship, the VA will send you a Certificate of Eligibility, which will need to be submitted to APUS. You may find more information on Survivor and Dependent Benefits (<https://www.va.gov/education/survivor-dependent-benefits>) on the VA's website.

APUS requires students to submit a copy of their Survivors and Dependents' documents. Documents may be securely uploaded through the Secure Document Upload portal (<https://mydocs.apus.edu>)

## Applications for VA Benefits

- For most prompt form processing, please complete your application for VA benefits on the VA website (<https://www.vets.gov/education/apply-for-education-benefits>).
- If you have never used VA Benefits, please complete the 22-1990 ([http://www.va.gov/vaforms/search\\_action.asp?FormNo=1990&tkey&Action=Search](http://www.va.gov/vaforms/search_action.asp?FormNo=1990&tkey&Action=Search)).
- If you have previously used benefits or have changed your program, please complete the 22-1995 ([http://www.va.gov/vaforms/search\\_action.asp?FormNo=1995&tkey&Action=Search](http://www.va.gov/vaforms/search_action.asp?FormNo=1995&tkey&Action=Search)).
- If you are transferring Montgomery GI Bill® (Chapter 35) to a spouse or dependent, please complete the 22-5490 (<http://www.vba.va.gov/pubs/forms/VBA-22-5490-ARE.pdf>).
- If you are using Chapter 35 and you have changed your program or place of training, please complete the 22-5495 (<http://www.vba.va.gov/pubs/forms/VBA-22-5495-ARE.pdf>).
- If you are transferring Post 9/11 GI Bill® (Chapter 33) to a spouse or dependent, please complete the 22-1990e (<http://www.vba.va.gov/pubs/forms/VBA-22-1990e-ARE.pdf>).

"GI Bill®" is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <http://www.benefits.va.gov/gibill>.

## VA Enrollment Information

Enrollment verification cannot be submitted until the APUS Military Assistance Office receives a copy of your completed VA paperwork and you have successfully enrolled in a class. Once your paperwork is processed and you have started classes, the VA Certifying Official will electronically submit your Certification of Enrollment (22-1999). All VA enrollment verifications will be submitted after the session drop period, beginning the second week of your course. Once your enrollment has been submitted, you will receive an email from the VA as verification.

## WAVE Enrollment Verification

The VA requires that students using GI Bill® benefits (excluding DEA Ch. 35 & Post 9/11 GI Bill®) verify their enrollment monthly. Verification begins the last day of the month of the courses you are enrolled in. Students will not receive VA benefits if they do not verify through WAVE. Please note, it may take up to 6 weeks for your enrollment information to be available in WAVE. To verify attendance through WAVE, please visit the VA website (<https://www.gibill.va.gov/wave>) or call the VA at 1-877-823-2378.

## Using Tuition Assistance and GI Bill®

Federal law prohibits Active Duty service members from receiving VA benefits for the same course tuition that is being paid by Military Tuition Assistance. Effective November 2014, the Department of Defense announced that they will no longer authorize Tuition Assistance for classes for which a member is also receiving benefits under the Montgomery GI Bill® – Selected Reserve program (Ch. 1606) or any other GI Bill® program other than the Montgomery GI Bill® – Active Duty program (Ch. 30) or the Post-9/11 GI Bill® program (Ch. 33). Active Duty service members who are eligible for Ch. 30 benefits can use non-Active-Duty TA in conjunction with VA benefits. For students using Ch. 33 benefits, TA must be applied to the registration first, and any remaining tuition can be certified under the Ch. 33 benefit.

## VA Top-Up Information

The Top-Up benefit may be used when a student is using Active Duty federal tuition assistance and the course cost will not be completely funded by TA. TA Top-Up may be used for Chapter 30 & 33 only. Students who wish to apply for TA Top-Up should contact [VAQuestions@apus.edu](mailto:VAQuestions@apus.edu) to request a TA Top-Up Request Form. APUS will submit an enrollment to the VA to include the amount of tuition and fees' remaining after all TA funding has been reduced. **Please note**, the use of Top-Up will exhaust a portion of your GI Bill® benefits. The amount exhausted depends on the chapter benefit being used and the time length of the courses. For more information regarding the Top-Up option, please visit the VA website ([http://www.benefits.va.gov/gibill/tuition\\_assistance.asp](http://www.benefits.va.gov/gibill/tuition_assistance.asp)).

## Department of Veteran Affairs (VA) Payments

Students participating in Montgomery GI Bill® benefits (Chapters 30, 32, 35, and 1606) will receive monthly payments from the VA based on their enrollment status each month enrolled in courses. The VA makes payments based on your monthly attendance and not semester attendance. Payments are sent from the VA by direct deposit or check after you have verified your monthly attendance through WAVE. APUS requires students using Chapters 30, 32, 35, and 1606 to make payment arrangements with the university prior to the start of courses. A 22-1999 Enrollment Verification **will not** be submitted until payment arrangements have been finalized.

Tuition and Fees for Chapter 33 are paid directly to APUS. If students are not receiving the 100% benefit rate, payment arrangements will need to be made to the university prior to course access. Current VA payment rates may be viewed on the VA website ([http://www.benefits.va.gov/GIBILL/resources/benefits\\_resources/rate\\_tables.asp](http://www.benefits.va.gov/GIBILL/resources/benefits_resources/rate_tables.asp)).

The following information pertains to students with a primary payment type of Post 9/11 GI Bill® or Vocational Rehabilitation: If the VA has not made payment within 90 days of APUS submitting an enrollment certification, (1) APUS will not impose any penalties on students, including the assessment of late fees, the denial of access to courses, library resources, or other student services; and (2) APUS will not require that a covered student borrow additional funds because of the student's inability to meet their financial obligations to APUS due to delayed VA payment. If, however, APUS is notified by the VA that a student has exhausted VA entitlements or is not eligible for Veterans Benefits, that student will be responsible for tuition and applicable fees and APUS collection policies will apply.

## Basic Allowance for Housing (BAH)

Post 9/11 GI Bill® students (other than those on Active Duty) will receive a housing allowance for courses solely in distance learning. The housing allowance payable is equal to ½ the national average BAH for an E-5 with dependents. A student **must** be enrolled at a rate of pursuit greater than half time (.51%) to receive this benefit. Please remember, the housing allowance is pro-rated based off your enrollment status, percentage of eligibility, and dates of course enrollments. Current VA payment rates may be viewed on the VA website ([http://www.benefits.va.gov/GIBILL/resources/benefits\\_resources/rate\\_tables.asp](http://www.benefits.va.gov/GIBILL/resources/benefits_resources/rate_tables.asp)).

## Using VA Benefits at Multiple Institutions

The VA requires students to declare an institution in which they will receive a degree or certification. VA benefits cannot be used at multiple institutions without declaration of a primary school and subsequent secondary school. For more information regarding using benefits at APUS and another institution, please contact [VAQuestions@apus.edu](mailto:VAQuestions@apus.edu). ([VAQuestions@apus.edu](mailto:VAQuestions@apus.edu))

## VA Consent to Enrollments Submitted

When a student selects a VA payment option (Ex. Post 9/11 GI Bill® payment) at the time of registration, you are consenting that you wish to have your enrollment for that particular course(s) submitted to the VA on your behalf. Students who register selecting a payment other than VA will be prompted for consent at the time of registration to have the course(s) submitted to the VA on your behalf. Students who register prior to submitting VA documents to APUS may be required to complete a VA Consent Form to identify courses or terms students would like to have submitted to the VA.

## Submitting Enrollments to the VA (VA 22-1999)

APUS will submit all enrollments to the VA electronically, beginning after the course drop period (second week of courses). Once your enrollment has been submitted to the VA, you will receive an automated email from the VA notifying you that the enrollment has been received.

## Post 9/11 GI Bill® Monthly Enrollment Verification

Starting in the 2021-2022 school year, Post-9/11 GI Bill® students who receive Monthly Housing Allowance (MHA) and/or kicker payments are required to verify their enrollment to continue receiving their payments. Enrollment verification is a new requirement for Post-9/11 GI Bill® students

to verify that they have remained enrolled in the same courses or training every month. Students who receive MHA/kicker payments **will have their payments withheld** if they fail to verify or report that they are no longer enrolled in their courses or training. To streamline the process, VA is providing the option to **verify enrollment easily and securely via text message**. For more information regarding this process, please visit the VA website ([https://benefits.va.gov/gibill/isaksonroe/verification\\_of\\_enrollment.asp](https://benefits.va.gov/gibill/isaksonroe/verification_of_enrollment.asp)).

## Change of Academic Program

When a VA Student changes their academic program with APUS, the VA will be updated electronically of the change in academic pursuit. A credit evaluation will be completed by APUS for the new program and any credits that are applicable towards the new program of study will be applied. When registering for courses within the new program, students must continue to consent to APUS submitting the new program enrollments to the VA on your behalf.

## Yellow Ribbon Program

The Yellow Ribbon Program is an agreement between the VA and participating institutions to cover all or a portion of tuition and fees charged after a student has exceeded the maximum benefit rate. APUS is a Yellow Ribbon participating institution. Please visit the VA website ([http://www.benefits.va.gov/gibill/yellow\\_ribbon.asp](http://www.benefits.va.gov/gibill/yellow_ribbon.asp)) for more information about Yellow Ribbon. Contact us for questions about this program at [VAQuestions@apus.edu](mailto:VAQuestions@apus.edu).

## Course Drops/Withdrawals

APUS is required to report changes in enrollment to the VA. If you drop or withdraw from a course(s), a 22-1999 enrollment verification will be sent to the VA within 30 days of the change of enrollment. A reduction or termination of enrolled credit hours could result in a student debt with the VA for BAH and books/supplies.

Tuition and fee debts will be issued to the school if students withdraw from a course(s) after the start date. The VA will request repayment of tuition/fees and will send a debt letter to APUS. If the VA debt letter requests school repayment that exceeds the institutional refund policy (<https://www.apus.edu/student-handbook/financing-your-education/how-to-pay-for-courses/apus-tuition-refund-schedule.html>), students may be assigned a debt to the school. For more information regarding VA school debts, please visit the VA website (<https://www.apus.edu/student-handbook/financing-your-education/veterans-benefits/va-enrollment-information.html>). For more information regarding GI Bill® debts, to include ways to prevent a debt from occurring, please visit the VA website ([https://www.benefits.va.gov/gibill/resources/education\\_resources/debt\\_info.asp](https://www.benefits.va.gov/gibill/resources/education_resources/debt_info.asp)).

## Mitigating Circumstances

Mitigating circumstances are circumstances beyond the student's control that prevent the student from continuing in school or that cause the student to reduce credits. The VA requires schools to determine any potential mitigating circumstances. Any withdrawal with a mitigating circumstance selected may require additional documentation of the mitigating circumstance to be submitted to APUS prior to the mitigating circumstance being reported. For more information on mitigating circumstances, please visit the VA website ([https://gibill.custhelp.com/app/answers/detail/a\\_id/1565/kw/mitigating%20circumstances](https://gibill.custhelp.com/app/answers/detail/a_id/1565/kw/mitigating%20circumstances)).

## Rounding Out

The practice of “rounding out” provides eligible GI Bill® students in their last term with the option to take additional classes to bring their course load to full-time and receive a full-time monthly housing allowance. VA is only authorized to pay GI Bill® benefits for classes that are part of an approved program of education and count toward completion of that approved program of education. Classes approved for a program of education means those that can be used to satisfy the graduation requirements of the program as specified in the curriculum. Classes that have been previously completed cannot be used to round out the student’s course load.

## Graduations

When a VA Student has successfully completed the requirements for the program of study and has officially conferred the program of study, APUS will report the student's graduation to the VA via electronic certification. All Post 9/11 GI Bill<sup>®</sup> students will have the mandatory graduation fee accessed by APUS added to the last VA enrollment submitted for the program being conferred.

## Graduate Capstone/Practicum Courses

University policy states Capstone and Practicum Courses must be the last course of your degree program and may be taken only after the completion of all course work. Additionally, no concurrent coursework is permitted. Accordingly, as a program advisory notice, Capstone/Practicum courses are only offered in 16-week sessions. Department of Veterans Affairs (VA) regulations state students must have a rate of pursuit greater than 50% in order to be eligible to receive BAH. The VA will cover course tuition and fees up to the percentage for which you are eligible. Many of our Capstone/Practicum courses have been classified as a research course due to the intensive coursework in class and out of the classroom. Accordingly, research classified Capstone/Practicum courses will qualify for full-time BAH. If your Capstone/Practicum course is not a research-intensive course, your course load will not qualify you for BAH. Please contact [VAQuestions@apus.edu](mailto:VAQuestions@apus.edu). ([VAQuestions@apus.edu](mailto:VAQuestions@apus.edu)) for a complete list of programs approved for full-time Capstone/Practicum requirements.

## Graduate Comprehensive Exam Courses

University policy states the Comprehensive Exam Course must be the last course of your degree program and may be taken only after the completion of all course work. Additionally, no concurrent coursework is permitted. Accordingly, as a program advisory notice, Comp Exam courses are only offered in non-credit, pass/fail 8-week sessions. Department of Veterans Affairs (VA) regulations state students must have a rate of pursuit greater than 50% in order to be eligible to receive BAH. The VA will cover course tuition and fees up to the percentage for which you are eligible. However, your course load will not qualify you for BAH. Your enrollment will be reported as one credit hour.

## Course Extensions

Please note that if you are granted a course extension from your professor, you will **not** receive VA benefits during the extension period. The VA will automatically discontinue benefits on the day after your original term ending date. Benefits will not start until a new course has been enrolled and the verification has been sent to the VA. Submission of a course extension for VA benefits will likely result in an overpayment to the student and will require future repayment.

## Academic Probation/Unsatisfactory Academic Progress

VA requires institutions to report veteran students who are not meeting an institution's academic standards. When APUS is made aware of a VA Student no longer meeting academic standards, notification will be electronically submitted to the VA on the student's VA record.

## Excessive Credits

Students who are using VA benefits for courses may not register for courses that are not applicable to the current program of study. Any courses that are deemed not applicable to the current degree program will be considered excessive credits and an enrollment for the courses will not be submitted.

## Prior Credits

The VA requires that all prior credit must be evaluated by APUS prior to a student's initial enrollment. Students must identify any prior credit that has been earned. Additionally, a Joint Services Transcript or Community College of the Air Force transcript must be received by APUS for all students who will be using VA benefits for any courses with APUS. Students who are currently having prior credits evaluated are strongly encouraged to register only for courses in which they know they will not receive prior credit. If prior credit is later given for a course a student is currently taking, APUS must



terminate the enrollment, as this would constitute excessive credits. Terminations of enrollment will likely result in a reduction in BAH and/or books and supplies payment for the course/term a prior credit was awarded.

## Courses for Transfer Programs

Students who are enrolled in an Undergraduate Courses for Transfer program at APUS are restricted by VA policy on which courses APUS can submit for VA benefits. A student must be below a Junior in academic standing. **Please note**, the junior status also includes any credits previously taken at other institutions. Only General Education courses can be submitted to the VA while a student has an undeclared program, unless a valid Parent School Letter is on file stating the course taken at APUS will transfer to the students Primary School.

Graduate Courses for Transfer courses are not eligible for certification to the VA unless a valid Parent School Letter is on file stating the course taken at APUS will transfer to the students Primary School.

## Tutorial Assistance

Tutorial assistance is available to help you pay for tutoring necessary to advance your education. Tutorial assistance is available if you are receiving VA educational assistance at the half-time or greater rate and have a deficiency in a subject, making tutoring necessary. For more information on VA Tutorial Assistance, please visit the VA website ([https://www.benefits.va.gov/gibill/tutorial\\_assistance.asp](https://www.benefits.va.gov/gibill/tutorial_assistance.asp)).

## VA Enrollment Chart

APUS offers courses in an 8 week and 16 week format. Courses start each month at APUS. All VA enrollments are based on a student's monthly enrollment status. Overlapping course starts may result in differing enrollment statuses than those below.

## Course Load and Student Status for VA Benefits

Student status for VA Benefits is based on monthly course load. The chart below applies to VA Benefit requirements for full, three quarter, or half-time benefit levels.

### Graduate: 8-Week Courses

Monthly Course Load	Student Status	Rate of Pursuit <sup>1,2</sup>
4+ Credit hours	Full-time	1.00
3 Credit hours	Three-quarter time	.75

### Graduate: 16-Week Courses

Monthly Course Load	Student Status	Rate of Pursuit <sup>1,2</sup>
9+ Credit hours	Full-time	1.00
6 Credit hours	Three-quarter time	.75
3 Credit hours	Half-time	.38

### Undergraduate: 8-Week Courses

Monthly Course Load	Student Status	Rate of Pursuit <sup>1,2</sup>
6+ Credit hours	Full-time	1.00
5 Credit hours	Three-Quarter Time	.83
4 Credit hours	Three-Quarter Time	.67

3 Credit hours	Half-time	.56
2 Credit hours	Less than Half-time	.38

## Undergraduate: 16-Week Courses

Monthly Course Load	Student Status	Rate of Pursuit <sup>1,2</sup>
12+ Credit hours	Full-time	1.00
9 Credit hours	Three-quarter time	.75
6 Credit hours	Half-time	.50
4 Credit hours	Less than Half-time	.33
3 Credit hours	Less than Half-time	.25

<sup>1</sup> BAH is only payable for a rate of pursuit greater than .50.

<sup>2</sup> Rate of Pursuit is calculated by Department of Veterans Affairs. This calculation is determined by training level, credits taken in a term, and length of term. APUS does not calculate the Rate of Pursuit.

**Please note:** The above chart does not apply to Federal Student Aid (FSA). If you are applying for Federal Student Aid, there is a different enrollment status standard for determining aid eligibility. Please see the chart below for FSA status definitions.

“GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <http://www.benefits.va.gov/gibill>.”

## Helpful Websites for GI Bill® Information & Veteran Success

- AMU Veterans Benefits (<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.amu.apus.edu%2Ftuition-and-financing%2Fpaying-for-school%2Fveterans-benefits%2F&data=05%7C02%7CCatalog%40APUS.EDU%7C05cf4d80fe20456ee28b08dc2f182d45%7C0bdfec6ad9451b8df007e43d531d67%7C0%7C0%7C638437028107250456%7CUnknown%7CTWFpbGZsb3d8eyJWljoIMC4wLjAwMDAiLCJQljoIV2luMzliLCJBTiI6IkhWwiLCJXVCi6Mn0%3D%7C0%7C%7C%7C&sdata=uTK6UNfEcaWj1MBeH2EJO7dID%2FklxwGxO%2ByRpGLPjKU%3D&reserved=0>)
- APU Veterans Benefits (<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.apu.apus.edu%2Ftuition-and-financing%2Fpaying-for-school%2Fveterans-benefits%2F&data=05%7C02%7CCatalog%40APUS.EDU%7C05cf4d80fe20456ee28b08dc2f182d45%7C0bdfec6ad9451b8df007e43d531d67%7C0%7C0%7C638437028107257245%7CUnknown%7CTWFpbGZsb3d8eyJWljoIMC4wLjAwMDAiLCJQljoIV2luMzliLCJBTiI6IkhWwiLCJXVCi6Mn0%3D%7C0%7C%7C%7C&sdata=1Q7lCavs70OXLDF3bjOsa1Fp8Jla81cE0QZYDyB4%3D&reserved=0>)
- eBenefits Portal (<https://www.ebenefits.va.gov/ebenefits-portal/ebenefits.portal>)
- GI Bill® Homepage (<http://www.gibill.va.gov>)
- WAVE Attendance Verification (<https://www.gibill.va.gov/wave>)
- Apply for VA Benefits (<https://www.vets.gov/education/apply-for-education-benefits>)
- Transfer of Post 9/11 GI Bill® Benefits to Dependents ([http://www.benefits.va.gov/gibill/post911\\_transfer.asp](http://www.benefits.va.gov/gibill/post911_transfer.asp))
- GI Bill® Benefit Comparison Tools ([http://www.benefits.va.gov/gibill/comparison\\_tool.asp](http://www.benefits.va.gov/gibill/comparison_tool.asp))
- Monthly Payment Rates ([http://www.benefits.va.gov/GIBILL/resources/benefits\\_resources/rate\\_tables.asp](http://www.benefits.va.gov/GIBILL/resources/benefits_resources/rate_tables.asp))
- Institutions of Higher Learning Undergraduate & Graduate Degrees ([http://www.benefits.va.gov/gibill/higher\\_learning.asp](http://www.benefits.va.gov/gibill/higher_learning.asp))
- GI Bill® General Announcements (<https://benefits.va.gov/GIBILL/news.asp>)
- APUS Disability Accommodations (<http://www.apus.edu/about-us/dsa.htm>)
- APUS Transfer Credit Center (<https://www.amu.apus.edu/transfer-credit>)
- APUS Consumer Information Center (<https://www.amu.apus.edu/aboutus/consumer-information.html>)
- AMU Military and Veterans Resources (<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.amu.apus.edu%2Fmilitary%2F&data=05%7C02%7CCatalog%40APUS.EDU%7C05cf4d80fe20456ee28b08dc2f182d45%7C0bdfec6ad9451b8df007e43d531d67%7C0%7C0%7C638437028107264012%7CUnknown%7CTWFpbGZsb3d8eyJWljoIMC4wLjAwMDAiLCJQljoIV2luMzliLCJBTiI6IkhWwiLCJXVCi6Mn0%3D%7C0%7C%7C%7C&sdata=uTK6UNfEcaWj1MBeH2EJO7dID%2FklxwGxO%2ByRpGLPjKU%3D&reserved=0>)

%7CTWFpbGZsb3d8eyJWljoIMC4wLjAwMDAiLCJQljoiv2luMzliLCJBTiI6IkhWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=yTE80bzI8M3wCTa3soK1s%2BeuP0c5x2YgjxgWSAd57Xc%3D&reserved=0)

- APU Military and Veterans Resources (<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.apu.apus.edu%2Fmilitary%2F&data=05%7C02%7CCatalog%40APUS.EDU%7C05cf4d80fe20456ee28b08dc2f182d45%7C0bdfeecd6ad9451b8df007e43d531d67%7C0%7C0%7C638437028107270552%7CUnknown%7CTWFpbGZsb3d8eyJWljoIMC4wLjAwMDAiLCJQljoiv2luMzliLCJBTiI6IkhWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=QnyPtewEu7P5MX249%2BUqs8fc14n3Xu6nmRpUKpGNSyQ%3D&reserved=0>)
- APUS Student Handbook (<http://www.apus.edu/student-handbook>)
- APUS Academic Advising Center (<http://www.amu.apus.edu/advising>)
- APUS Student Veterans of America (<https://www.facebook.com/groups/147207151965410>)
- Student Handouts, Brochures, Regulations, and other VA Forms ([http://www.benefits.va.gov/GIBILL/handouts\\_forms.asp](http://www.benefits.va.gov/GIBILL/handouts_forms.asp))
- GI Bill® Customer Service Resource Center (<https://ask.va.gov>)
- Tutorial Assistance ([http://www.benefits.va.gov/gibill/tutorial\\_assistance.asp](http://www.benefits.va.gov/gibill/tutorial_assistance.asp))
- Principles of Excellence ([http://www.benefits.va.gov/gibill/principles\\_of\\_excellence.asp](http://www.benefits.va.gov/gibill/principles_of_excellence.asp))
- Fry Scholarship ([http://www.benefits.va.gov/GIBILL/Fry\\_scholarship.asp](http://www.benefits.va.gov/GIBILL/Fry_scholarship.asp))
- Veterans Readiness & Employment (<https://www.va.gov/careers-employment/vocational-rehabilitation>)
- VA Licensing & Certification ([http://www.benefits.va.gov/gibill/licensing\\_certification.asp](http://www.benefits.va.gov/gibill/licensing_certification.asp))
- VA Services (<http://www.benefits.va.gov/benefits/services.asp>)
- APUS Accreditation (<http://www.apus.edu/accreditation>)
- Forever GI Bill (<https://benefits.va.gov/GIBILL/ForeverGIBill.asp>)® Updates (<http://www.apus.edu/accreditation>)
- GI Bill® Overpayments and Debts ([https://www.benefits.va.gov/gibill/resources/education\\_resources/debt\\_info.asp](https://www.benefits.va.gov/gibill/resources/education_resources/debt_info.asp))
- Non-VA Resources for Student Veterans ([https://www.benefits.va.gov/gibill/non\\_va\\_resources.asp](https://www.benefits.va.gov/gibill/non_va_resources.asp))
- Manage Veteran Benefits (<https://www.va.gov/education/#manage-your-veterans-education-benefits>)
- APUS Student Activities (<http://www.apu.apus.edu/student-activities>)
- Veterans Crisis Line (<https://www.veteranscrisisline.net>)
- APUS Career Services (<http://www.amu.apus.edu/career-services/home>)
- APUS Federal Student Aid (FSA) (<http://www.amu.apus.edu/tuition-and-financing/paying-for-school/fsa>)
- APUS Newsletters (<http://www.apus.edu/newsletters>)
- APUS Graduate Academic Catalog (<https://catalog.apus.edu/graduate>)
- APUS Undergraduate Academic Catalog (<https://catalog.apus.edu/undergraduate>)
- Isakson & Roe Provisions (<https://benefits.va.gov/gibill/isaksonroe.asp>)
- APUS GI Bill® Comparison Tool Profile (<https://www.va.gov/education/gi-bill-comparison-tool/institution/21913148>)
- VA COVID-19 FAQ's (<https://www.benefits.va.gov/GIBILL/COVID19EducationBenefits.asp>)

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# California Residents

The State of California established the Student Tuition Recovery Fund (STRF) to relieve or mitigate economic loss suffered by a student in an educational program at a qualifying institution, who is or was a California resident while enrolled, or was enrolled in a residency program, if the student enrolled in the institution, prepaid tuition, and suffered an economic loss.

Unless relieved of the obligation to do so, you must pay the state-imposed assessment for the STRF, or it must be paid on your behalf, if you are a student in an educational program who is a California resident or is enrolled in a residency program, and you prepay all or part of your tuition.

You are not eligible for protection from the STRF and you are not required to pay the STRF assessment if you are not a California resident, or are not enrolled in a residency program.

The STRF assessment is non-refundable and occurs at the time the first payment is made with respect to your enrollment. The current assessment is calculated at the rate of \$0.00 per \$1,000 of institutional charges for your enrollment and educational program. The actual STRF assessment will appear on your ledger. If you have previously enrolled in the University, any STRF assessment previously paid will be reviewed for adjustments and, if necessary, credited to your current assessment and will appear on your ledger.

It is important that you keep copies of your enrollment agreement, financial aid documents, receipts, or any other information that documents the amount paid to the school. Questions regarding the STRF may be directed to the Bureau for Private Postsecondary Education, 1747 North Market Blvd., Suite 225, Sacramento, CA 95833, (916) 574-8900 or (888) 370-7589.

To be eligible for STRF, you must be a California resident or enrolled in a residency program, prepaid tuition, paid or deemed to have paid the STRF assessment, and suffered an economic loss as a result of any of the following:

1. The institution, a location of the institution, or an educational program offered by the institution was closed or discontinued, and you did not choose to participate in a teach-out plan approved by the Bureau or did not complete a chosen teach-out plan approved by the Bureau.
2. You were enrolled at an institution or a location of the institution within the 120 day period before the closure of the institution or location of the institution, or were enrolled in an educational program within the 120 day period before the program was discontinued.
3. You were enrolled at an institution or a location of the institution more than 120 days before the closure of the institution or location of the institution, in an educational program offered by the institution as to which the Bureau determined there was a significant decline in the quality or value of the program more than 120 days before closure.
4. The institution has been ordered to pay a refund by the Bureau but has failed to do so.
5. The institution has failed to pay or reimburse loan proceeds under a federal student loan program as required by law, or has failed to pay or reimburse proceeds received by the institution in excess of tuition and other costs.
6. You have been awarded restitution, a refund, or other monetary award by an arbitrator or court, based on a violation of this chapter by an institution or representative of an institution, but have been unable to collect the award from the institution.
7. You sought legal counsel that resulted in the cancellation of one or more of your student loans and have an invoice for services rendered and evidence of the cancellation of the student loan or loans.

To qualify for STRF reimbursement, the application must be received within four (4) years from the date of the action or event that made the student eligible for recovery from STRF.

A student whose loan is revived by a loan holder or debt collector after a period of noncollection may, at any time, file a written application for recovery from STRF for the debt that would have otherwise been eligible for recovery. If it has been more than four (4) years since the action or event that made the student eligible, the student must have filed a written application for recovery within the original four (4) year period, unless the period has been extended by another act of law.

However, no claim can be paid to any student without a social security number or a taxpayer identification number.

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