UNDERGRADUATE CATALOG

2025–2026

Policy Statement

This catalog is the official announcement of the programs, requirements, and regulations of the University, and students enrolling in the University are subject to the provisions as stated. It is the responsibility of every student to follow the standards and expectations contained in this catalog, as well as those in the student handbook, The Oracle. Fees and other charges, courses, requirements, and conditions are subject to change without notice. The University reserves the right to cancel any class or section for insufficient enrollment. Although the publisher of this catalog has made every reasonable effort to attain factual accuracy herein, no responsibility is assumed for editorial, clerical or printing errors or errors occasioned by honest mistake. All information contained in this catalog is subject to change by appropriate officials of Troy University without prior notice.

Troy University does not discriminate on the basis of sex, age, color, race, national origin, gender, political or religious opinions or affiliations, disability, disabled veteran/Vietnam-era Veteran status or sexual preference/orientation in its admissions, education, employment, or access to its programs. The University fully complies with the following: Civil Rights Act of 1964 and its amendments; Federal Executive Order 11246; Educational Amendments of 1972 and 1974; the Vietnam Era Veterans Readjustment Assistance Act of 1972; Age Discrimination Act of 1975; Family Educational Rights and Privacy Act of 1974; and the Uniformed Services Employment and Reemployment Rights Act of 1994.

Disclosure of a student's social security number is voluntary and not mandatory, and this University is authorized under federal law to enroll non-immigrant alien students. The University complies with guidelines and regulations established by the Department of Health and Human Services and the Food and Drug Administration of the United States Government.

2025-2026
Troy University
Undergraduate Catalog

Troy University
Troy, Alabama 36082
1-334-670-3000
https://www.troy.edu

Please consult the Troy University Website for changes that may have occurred

TROY UNIVERSITY

ACCREDITATIONS, MEMBERSHIPS, AND AFFILIATIONS

Troy University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, master's, education specialist, and doctoral degrees. Troy University also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the status of Troy University may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

Refer to the college sections of this catalog for information regarding specialized accreditation.

Troy University is accredited by the following:

Accreditation Board for Engineering and Technology
Accreditation Commission for Education in Nursing
Association to Advance Collegiate Schools of Business
Commission on Accreditation of Athletic Training Education
Commission on Sport Management Accreditation
Council for Accreditation of Counseling and Related Educational Programs
Council for the Accreditation of Educator Preparation
Council on Social Work Education
National Association of Schools of Music
Network of International Business Schools

Troy University is a member of the following:

Alabama Association of College Administrators
Alabama Council of Administrators of Professional Nursing Education Programs
American Association of Colleges for Teacher Education
American Association of State Colleges and Universities Council on Education
National League for Nursing
National Organization of Nurse Practitioner Faculties
National Strength and Conditioning Association - Education Recognition Program
State of Alabama Association of Colleges of Nursing

Troy University is affiliated with the following:

Service Member's Opportunity College Program

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UNIVERSITY MISSION STATEMENT

Troy University is a public institution comprised of a network of campuses throughout Alabama and worldwide. International in scope, Troy University provides a variety of educational programs at the undergraduate and graduate levels for a diverse student body in traditional, nontraditional, and emerging electronic formats. Academic programs are supported by a variety of student services which promote the welfare of the individual student. Troy University's dedicated faculty and staff promote discovery and exploration of knowledge and its application to lifelong success through effective teaching, service, creative partnerships, scholarship, and research.

WELCOME TO TROY UNIVERSITY

Troy University's history of teaching excellence dates to its founding in February 1887 as Troy Normal School. From the outset, the institution quickly earned a reputation for innovation and accessibility. Troy Normal became Troy State Teachers College in 1929, Troy State College in 1957, and Troy State University in 1967.

The Montgomery campus earned independent accreditation in 1983, as did the Dothan campus in 1985. The Phenix City campus and the locations around the nation and the world, administered by the Troy Global Campus, have always operated under the accreditation of the Troy campus.

In 2005, the separately accredited campuses were merged into a single university structure forming Troy University. This name change represented the fifth major advancement in the storied, dynamic rise of the University to national and international prominence. Today, Troy University serves nearly 30,000 students in Alabama and around the world.

The Troy University calendar may be found in each schedule of classes or at *https://www.troy.edu*.

GENERAL INFORMATION

For information about the features of each Troy University location, please consult the university website. Students may also contact their academic advisers or registrar.

ACADEMIC SUPPORT

Troy University offers students a variety of academic support services, including resources to assist students in areas such as technology, career planning, study skills, academic planning, and tutoring in selected subjects. Students at the Troy Campus may also participate in the First-Year Studies Program geared to the needs of students making the transition to college from high school or post-high school experiences.

Students should contact the registrar or an academic adviser at their campus locations for more information about available resources.

ALUMNI ASSOCIATION

The Troy University Alumni Association's sole purpose is to establish mutually beneficial relations between Troy University and its alumni. Alumni Affairs coordinates the activities of this association, promotes alumni services, and establishes scholarships. In addition, Alumni Affairs broadens communication between alumni and the university. Through these activities and services, the university is able to respond to the needs of its constituents thus enabling alumni to respond to the needs of the university. Additional information regarding these activities and services can be obtained by calling Alumni Affairs at (334) 670-3318 or 1-877-487-6978.

CENTERS AND INSTITUTES

Center for Design, Technology and Innovation

Better known as <<dti>>, the Center for Design, Technology and Innovation is a design think tank housed within the Department of Art and Design at Troy. Synthesizing an aggressive, multi-disciplinary design education with the varied visual communication demands of the global marketplace, <<dti>>is responsible for developing design strategies for qualifying businesses, industries and not-for-profit organizations.

Center for International Business and Economic Development

The Center for International Business and Economic Development (CIBED) is an administrative unit of the Sorrell College of Business. The CIBED coordinates the outreach and research activities of the college and directs the economic development undergraduate and graduate programs. CIBED offices are located at all Troy University campuses in Alabama to enable personnel to be involved in the economic and community development of the region and to extend assistance to existing small businesses, industries and governmental agencies.

The Center for Business and Economic Services (CBES) within the CIBED was established in 1974. CBES activities include applied research, educational activities and management consulting. The CIBED also publishes the "Troy University Business and Economic Review" and co-edits the national "Journal of Applied Research in Economic Development."

CIBED supports the economic development of small businesses through its Small Business Development Center (SBDC). The SBDC offers one-to-one consulting, training, information and government bidding opportunities to small businesses in a ten-county area of southeast Alabama.

Center for International Programs

The Center for International Programs at Troy University promotes international education for all students. It works to help prepare students with the necessary knowledge, skills, and attitudes to be responsible and concerned citizens in the 21st century. It actively supports international students attending Troy by providing counseling, orientation programs, travel opportunities, assistance with visas and other governmental requirements. In addition, it works to create a bridge between the community and the international students. It coordinates degree programs offered in Malaysia, and Vietnam. The Center for International Programs also develops and encourages study abroad agreements and activities in order to assist all students at Troy University with invaluable experience in international education. The Center for International Programs offers instruction in English as a Second Language (ESL) to ensure that all international students studying at Troy University have the necessary English language skills to be successful in their chosen academic programs.

Institute for Leadership Development

The Institute facilitates development of ethical, responsible leaders who want to use their leadership abilities at school, on the job and in various sectors of society. The Institute promotes servant-leadership; that is, leading to serve others and the organization. Servant Leaders must demonstrate character (who they are), competence (what they can do), and confidence (belief in themselves and their ability to lead). The Institute facilitate leadership development by:

1. Administering and teaching courses that are open to all students. These courses develop knowledge and leadership skills. Furthermore, the Institute offers the Minor in Leadership Development.
2. Instituting, attracting, administering, and coordinating leadership conferences, including the Alabama HOBY (Hugh O'Brian Youth Leadership Seminar), Alabama Lions High School Leadership Forum, and the African American Leadership Conference. These conferences each attract hundreds to the TROY campus. The Institute also hosts County-wide Youth Leadership Programs where high school students spend a day on the TROY campus.
3. Cooperating with various academic departments and student programs to enhance LATC- Leadership Across The Curriculum. A study of LATC was the project of the 2018 Chancellors Fellows.
4. Directing the Chancellor's Fellowship program which enables full-time faculty and staff to develop increased knowledge and understanding of the programs and operations of Troy University. Furthermore, fellows are mentored by the Senior Vice Chancellors, and receive executive leadership, management, and communication skills training and they complete a project beneficial to the university. Participants are selected by the Chancellor based on their leadership potential and service to the University. Previous Fellows have risen to positions of Vice Chancellor, Academic Dean, Graduate Dean, Dean of

Library Services, as well as Directors and Chairs of many academic and support programs.

Institutional Research, Planning and Effectiveness (IRPE) Office

The IRPE office provides required services for institutional research, planning, and effectiveness. In the area of research, the IRPE office prepares analyses, surveys, and reports regarding numerous University areas for federal agencies, state agencies, nongovernmental external agencies, and the University. In the areas of institutional planning and effectiveness, the IRPE office coordinates activities which include providing information to the various divisions and units of the University; maintaining the HOMER system, which documents program-level institutional effectiveness activities; surveying students, alumni, and employers; and reviewing the effectiveness and planning documentation for existing, new and revised programs. The IRPE office publishes the results of online surveys and provides the TROY Fact Site of demographic information online. In addition, the IRPE office assists the University liaison with the Alabama Commission on Higher Education (ACHE) and the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC).

International Center for Collaboration and Creativity (iC3)

The International Center for Collaboration and Creativity (iC3) fosters and facilitates intercultural, international and interdisciplinary ventures. The central catalyst for and the expected results from this center will intrinsically be collaboration and creativity. Cultures and disciplines are converging. As a result of this convergence, there is a new emergence of discoveries and hybrid disciplines. The creation of the iC3 not only develops hybrid academic ventures but provides impetus for attracting new interdisciplinary programs and instructional models in higher education. The iC3 is housed within the College of Communication and Fine Arts.

ENDOWED CHAIRS AND PROFESSORSHIPS

Five endowed chairs have been established by the Troy University Board of Trustees and endowed with funds from Mrs. Anise J. Sorrell and others. Some of these chairs have full-time occupants; others provide visiting lecturers and enhancements.

Sorrell Endowment

The Adams-Bibby Chair of Free Enterprise

The Adams-Bibby Chair of Free Enterprise was made possible by a gift from Mr. and Mrs. Walter Berry Bibby and a bequest from the estate of Mrs. Anise J. Sorrell. The chair is named in honor of the Bibbys and Mrs. Bibby's father, Mr. Eason Young Adams.

As an incentive to encourage private donations to the state's public universities, the 1985 Alabama Legislature established the Alabama Endowment Trust Fund for Eminent Scholars. This trust provides $400,000 to the Troy University Foundation for each $600,000 donated to the foundation for the Eminent Scholar Endowment.

Eminent Scholars

- ALFA Eminent Scholar in Environmental Management and Agriculture
- Eminent Scholar of Computer and Information Science
- HealthSouth Eminent Scholar in Sports Medicine
- Troy University Foundation Eminent Scholar Chair in Banking and Finance.

Professorship

- The E. H. Sherman Professorship in Accounting
- The Sherman Professorship was established by gifts from alumni and friends of the Troy University accounting program.

GRADUATE SCHOOL

A student with a bachelor's degree from an accredited college or university may apply to the dean of the Graduate School for admission. The Graduate Catalog should be consulted for detailed information on the regulations of the Graduate School, the programs and courses offered for graduate credit, the requirements for degrees, financial aid and other matters pertaining to graduate study with Troy University.

INFORMATION AND TECHNOLOGY

Broadcast and Digital Network

The Broadcast and Digital Network provides for Troy University Television (TROY TrojanVision), and Troy University Public Radio. The Troy University Public Radio Network includes WTSU-89.9. FM serving Troy/Montgomery; WTJB, 91.7 FM serving Columbus/Phenix City; and WRWA, 88.7 FM serving Dothan. The network broadcasts diverse international, national and local news and cultural and entertainment programs. The network is affiliated with the Corporation for Public Broadcasting, National Public Radio (NPR) and American Public Media. TROY Public Radio operates the Radio Reading Service for the sight-impaired and handicapped.

The Broadcast and Digital Network also gives "hands on experience" to broadcast majors of the Hall School of Journalism and for other qualified students in studios in Troy and Montgomery. TROY TrojanVision is an educational access cable station received by viewers in central and south Alabama and Columbus, Ga. Students and staff produce regular news programs and a variety of musical programs, lectures, sports and community/university events for delayed airing

Information about Troy University Public Radio and TROY TrojanVision is available at their website on https://www.troy.edu/student-life-resources/campus-media/troy-trojanvision/index.html and at (334) 670-3555.

INTERCOLLEGIATE ATHLETICS

The Troy University Department of Athletics is affiliated with the National Collegiate Athletic Association (NCAA) and competes at the Division I-A level. Troy sponsors nine women's sports and seven men's sports. The men's sponsored sports include baseball, basketball, cross country, football, golf, outdoor track & field, and tennis. The women's sponsored sports include basketball, cross country, golf, soccer, softball, track & field (indoor and outdoor), tennis and volleyball.

Troy has been a proud member of the Sun Belt Conference since 2005 when all of Troy's athletic programs began competing in the league, which will soon comprise 14 schools from Alabama, Arkansas, Georgia, Louisiana, Mississippi, North Carolina, South Carolina and Virginia.

The Troy football program moved to the highest level in college football in 2001 and made a statement with a 21-9 victory at Mississippi State out of the Southeastern Conference and eventually finished the season 7-4 playing as an independent. In their years

playing among the nation's elite programs, Troy has nationally ranked victories over Missouri, Oklahoma State and LSU plus wins over the United States Naval Academy and Nebraska to earn the nickname the "Giant Killers."

In 2006, the Trojans earned their first of five consecutive Sun Belt Conference champions and were winners of the R+L Carriers New Orleans Bowl. The team also appeared in the New Orleans bowl in 2008, losing in overtime to Southern Miss. In 2009, the Trojans earned their fourth straight league title and became the first team in Sun Belt history to go through a season 8-0 in league play. In 2010, the Trojans once again appeared in the New Orleans bowl.

The football program just completed the most successful three-year period in school history as the Trojans won 10 or more games in three straight seasons for the first time in program history and tied a school record with 31 wins over those three seasons. Additionally, the Trojans have won four straight bowl games- 2010 New Orleans Bowl, 2016 Dollar General Bowl, 2017 New Orleans Bowl, and 2018 Dollar General Bowl. Troy won its Sun Belt-record sixth football conference championship in 2017 and finished as Sun Belt East Co-Champions in 2018.

Under first-year head coach Jon Sumrall, the football program made history in 2022 earning a No. 19 ranking in the final Associated Press Poll after winning a program-record 12 games, including the Sun Belt Championship and Cure Bowl.

Success on the field is not only limited to the Troy football team, as the Trojans have been widely successful across all of its athletics programs.

The Troy baseball team captured conference titles in 2005, 2006, and 2013 and advanced to the Division I Regional Tournament in '95, '96, '06, '07, '11, '13 (where Troy beat the University of Alabama not once, but twice) and '18. Troy's softball team won the conference championship, defeated the Ohio Valley Conference champions in a play-in, and advanced to post-season play in 1996, the first softball team from the state of Alabama ever to do so. Troy returned to the NCAA Tournament in 2021, receiving the program's first-ever at-large bid in the process and capturing the program's first-ever NCAA Tournament victory.

Further, the men's basketball team dominated the Atlantic Sun Conference by capturing the regular season conference championships in 2000, 2002, 2003, 2004 and were back on top in the Sun Belt Conference in 2010. "March Madness" invaded Troy in 2003 and 2017 when the Trojans won the Atlantic Sun and Sun Belt Conference Tournaments and advanced to participate in the NCAA Basketball Tournament. The Trojans also competed in the National Invitation Tournament (NIT) in 2004 and in the College Basketball Invitational (CBI) Tournament in 2009.

The Troy women's team has turned into a dynasty in the Sun Belt Conference, winning the league title in four of the last six years and advancing to its third NCAA Tournament in the last five years that the event was held. In 2016 the women's basketball team won the Sun Belt Conference Tournament and participated in the NCAA Tournament facing the Oregon State Beavers. In 2017 the Trojans won the Sun Belt Conference Tournament again and participated in the NCAA Tournament competing against Mississippi State. Troy won the Sun Belt regular season crown in 2020 but was unable to participate in the NCAA Tournament as it was canceled due to COVID-19, but the Trojans made their return in 2021 after winning the Sun Belt Tournament and nearly shocked the world as their upset bid over No. 2 Texas A&M came up just short.

The Troy women's golf team also built a mini-dynasty in the Sun Belt Conference, winning the league title three times over a four-year period in 2014, 2015 and 2017. On the other side of the links, the men's golf team made three straight NCAA Regional appearances from 2015 to 2017.

University athletic teams have a history of success at every level. In all, Troy has won 11 NCAA National Championships in four different sports. The 1968 football team earned notoriety by winning the NAIA national championship with a wide-open passing attack that was years ahead of its time. The men's golf team won NCAA Division II national crowns in 1976, 1977, and 1984, while the Lady Trojan golfers were national champions in 1984, 1986, and 1989. In addition, the football team won Division II championships in 1984 and 1987, and the baseball team won the 1986 and 1987 Division II National Championship.

Troy University's athletic facilities are among the finest in the nation. The Tine Davis Field House is home to the administrative staff. It features a newly renovated 140 seat auditorium (the Elizabeth Mills Rane Football Team Room) and the Ben F. Beard Executive Conference Room.

The Troy football program moved into the state-of-the-art North End Zone Football Facility in the fall of 2018. The three-storied facility is more than 70,000 square feet includes a 35-by-90 foot video board, 400 additional club seats, coaches offices, weight room, locker room, and multiple player lounges.

Adjacent to the Davis Field House is Veterans Memorial Stadium, which includes the Douglas Hawkins Press Box, home to a 10,000 square foot strength and conditioning center, state-of-the-art athletic training center, and Student-Athlete Academic Support Center as well as a Stadium Club and 29 private suites for fans to enjoy home football games.

Next to Veterans Memorial Stadium is the newly renovated Riddle-Pace Field, home of the Trojans baseball team. The facility includes the Lott Baseball Complex, which houses coach's offices, locker rooms, meeting rooms and covered practice facilities. The recent stadium renovations added chairback seating throughout the facility, the addition of an RBI Club down the first base line and coaches offices down the third base line.

Other nearby facilities include the new Golf practice facility and clubhouse (2015), Troy Softball Complex (2014) and soccer/track complex. Also, the state-of-the-art Lunsford Tennis Complex was completed in the fall of 2001, doubling the number of courts available to TROY students and the Troy community.

Additionally, construction was completed in 2012 on a state-of-the-art multi-purpose Trojan arena, which is home to the men's basketball, women's basketball and volleyball programs. The facility is located directly behind the Tine Davis Fieldhouse adjacent to the track/soccer complex. On its inaugural night, the men's basketball program initiated the first win in Trojan Arena, beating SEC opponent, Mississippi State, 56-53.

DEPARTMENT OF ATHLETICS

Mission Statement:

The Troy University Athletics Department is an integral part of the University. Its mission is to assure a balance between the desire to win and the desire to facilitate positive growth of student-athletes. The Athletics Department will strive to graduate student-athletes who will make significant contributions to society, view their

experience in athletics as rewarding and who will be proud alumni and advocates of the University.

Vision Statement:

Our expectation is to be a model program reaching the highest level of success in all NCAA measures in each sport program both on the fields of play and in the classroom. We expect to advance Troy University Athletics to be the premier program in the Sun Belt Conference while maintaining viable candidacy for future conference expansion and/or realignment. We also expect to be among the top institutions in NCAA academic measures such as the student-athlete graduation rate, the Academic Progress Rate (APR) and the Graduation Success Rate (GSR).

LIBRARIES

The Troy University Libraries hold a wide variety of resources in multiple formats, including print, multimedia (DVDs, CDs, and streaming video) as well as a vast array of online databases. These resources allow the libraries' staff to ensure that students and faculty have access to the information they need to fulfill their educational and research goals.

The libraries' networked system consists of the online catalog, numerous general and subject oriented databases including many with full texts of journal articles, and other services including tutorials to help individuals use library services more efficiently. The libraries' homepage is constantly developing to provide more sophisticated and user friendly access to the resources in the library and around the world. The libraries' faculty and staff are continually developing quality collections, facilities, and services to assist students and faculty in their educational journeys. The libraries' faculty and staff provide professional and technical assistance and instruct users in the best methods of utilizing the libraries' resources. Through this instruction and assistance, students learn information literacy skills that will support lifelong and continuing education.

OFFICE OF DEVELOPMENT

The Office of Development strives to build and foster positive relationships with our alumni, donors, friends and corporate and foundation partners as well as with our deans, faculty, staff and students to secure private philanthropic support for all of the campuses of Troy University that reflects the institutional goals and priorities of the University.

We strive to be good stewards of the University's resources as well as of those who support us with their time, money and resources. With a decrease in stated funding over the years, support from private philanthropy will continue to be important to future growth and expansion at the University. We are responsible for Annual Giving, Faculty/Staff Giving, Major Gifts, Planned Giving, Donor Events, Advancement Services (including updating alumni records) and Stewardship of all gifts, as well as Foundation Scholarships (both current and endowed).

SPONSORED PROGRAMS

The Office of Sponsored Programs (OSP) is responsible for facilitating the activities of faculty, professional staff and students in seeking external support for research and creative projects. This includes, but is not limited to, grants, contracts, cooperative agreements, and other types of awards. Our office can provide search for funding possibilities, assist with budget preparation, form completion, proposal review, editing and submission. Sponsored Programs is here to assist the principal investigator from a project's development through submission to the funding agency,

Additional information about Sponsored Programs can be obtained by contacting OSP by phone at (334) 670-3102, email osp@troy.edu or visiting the Office of Sponsored Programs website at http://www.troy.edu/osp.

TROY ONLINE

TROY Online is responsible for the delivery of educational programs outside the state of Alabama, and internationally. Our courses and delivery method is designed to meet the needs of civilian working adults, military and government agency civilians, and other adults seeking degrees. Courses and degrees are delivered at a time and in formats to fit the needs of adult learners who have full-time employment, work shifts, and are prone to short notice moves. Adult learners generally have education needs different from those catered to by traditional colleges and universities. On military bases, guidance is worked cooperatively with the base education services personnel. In addition, the military usually provides classroom and office space, utilities, and local program support.

Academic programs and courses offered through TROY Online are the responsibility of the deans of the academic colleges. Troy University faculty and administrative oversight functions include, but are not limited to, academic oversight and control, new site approval, monitoring institutional effectiveness, faculty selection, certification, evaluation and graduate faculty status determination. The administration of TROY Online is the responsibility of the three Associate Vice Chancellors of TROY Online.

All student services functions are provided and monitored from the Troy Campus. Student service reviews include, yet are not limited to, admission activities, maintaining the official academic records, providing transcripts, and issuing degrees for all students enrolled in the component units of TROY Online Troy University Support Center sites.

All of the degree programs offered at Troy University Support Center sites or campuses are approved programs in the Undergraduate Catalog; however, not all degree programs are offered at every location.

Troy University's TROY Online was established as a comprehensive, educational unit of Troy University to allow and provide any student, regardless of location, the opportunity to earn a Troy University degree online. Since its inception, TROY Online has expanded to include different programs and methodologies to reach local and distant students, working adults, and the military. TROY Online offers students the opportunity to obtain both undergraduate and graduate courses, certificate programs, and degree programs online. The online courses integrate textbooks with online materials, graphics, audio, and video, and facilitate faculty and student interactions. Specialized software is utilized. For more information on undergraduate programs offered via this format, visit TROY Online at http://www.troy.edu/online/.

STATE AUTHORIZATIONS

Information on state authorizations is located at: https://www.troy.edu/about-us/fast-facts/state-authorization.html
Licensure information by state:

- Florida: Troy University is licensed by the Commission for Independent Education, Florida Department of Education. Additional information regarding this institution may be obtained by contacting the Commission at 325 West Gaines Street, Suite 1414, Tallahassee, FL 32399-0400, toll-free telephone number (888) 224-6684.

- South Carolina: Troy University is licensed by the South Carolina Commission on Higher Education, 1122 Lady Street, Suite 400, Columbia, SC 29201, Telephone (803) 737-2260, www.che.sc.gov. Licensure indicates that minimum standards have been met; it is not an endorsement or guarantee of quality. Licensure is not equivalent to or synonymous with accreditation by an accrediting agency recognized by the U.S. Department of Education.

TROY UNIVERSITY FOUNDATION

As authorized by the Board of Trustees, the Troy University Foundation was established in 1968. The Foundation is a permanent, non-profit organization created to attract private support for the Troy University system. The Foundation is governed by a self-perpetuating board of directors. The University, through its Foundation, seeks to gain meaningful financial support from private sources as an essential supplement to legislative funds, students' fees and federal grants. It is, therefore, committed to an active program to attract contributions from foundations, corporations and individuals. The Foundation accepts gifts of cash, real estate, securities, life income gifts, bequests through wills, life insurance policies, charitable trusts, life estate agreements, named funds and approved gifts-in-kind. For more information, please contact the associate vice chancellor for development at: (334) 670-3608/email raisersedge@troy.edu.

UNIVERSITY RELATIONS

University Relations provides information to the university's various audiences and supports a number of university and community events. University Relations generates news and feature story releases, provides student achievement releases to hometown media, prepares media kits for special events, responds to media requests for information, maintains news media contacts, provides content for and oversight of the University's official social media accounts, and provides necessary events coordination.

University Relations also maintains a news presence on the University's website and produces or assists with production of a variety of special publications including the Troy University Magazine. For more information, contact University Relations at (334) 670-3196.

DIVISION OF STUDENT SERVICES

The Division of Student Services provides services and support for students at all campuses and sites, assuring a wide range of opportunities for a diverse student population. Students, who come to Troy University with hopes and high expectations, face choices and challenges which can be channeled into positive directions or which can prove to be overwhelming. The Student Services staff believes that educators both within and outside the classroom can make a positive difference in the lives of students. Education of the whole person, which is the purpose of the programs and services offered, helps students meet their expectations and expand understanding of themselves and their world. Staff members may guide many students' experiences but the student is ultimately responsible for personal choices and decisions. As educators, the staff strives to assure that those choices are sound and the decisions are well-reasoned. When things go well for students, staff builds on that experience, first providing recognition and acclaim and then challenging them to seek new experiences. In times of disappointment, staff members provide support and then gentle prodding to move past the disappointment.

The Student Services staff is also responsible for operating facilities, running businesses, supporting programs, and providing cost-effective services to meet the needs of our students. As good stewards of the resources at Troy, the staff strives to respond to changing interests and remain student centered in all we do.

Through Student Services, Troy University seeks to prepare students for full citizenship in a global community, at work, at play, in fellowship, and in personal fulfillment. The following are the campus offices that are a part of the Division of Student Services: Dean of Student Services, Housing and Residence Life, Student Center and Conference Services, Student Involvement and Leadership, University Health Center, Personal Counseling, Student Recreation and Intramurals, Transportation, Security Access and CCTV and University Police. For a more detailed description of services, please refer to the student handbook, The Oracle.

TROY UNIVERSITY STUDENT CREED

I allow **T**ruth and integrity to guide my goals.
I persevere by **R**emembering my predecessors.
I acknowledge that **O**penness promotes new concepts and ideas.
I celebrate our differences **J**ustly and respectfully.
I strive for continued success by **A**iming for excellence.
I will contribute to the Troy University legacy, **N**ow and forever.

STANDARDS OF CONDUCT

By publication of these "STANDARDS OF CONDUCT," the University calls to the special attention of students and organizations the standards by which they are expected to abide. Students and organizations should be aware of the STANDARDS and should know they will be held accountable for their provisions.

STUDENT CONDUCT OFFICE GENERAL PHILOSOPHY

Troy University emphasizes a developmental approach toward discipline that is educational and proactive and allows for maximum student growth. The Office of Student Conduct embraces the concept of a student-centered University. Troy University is committed to developing and establishing programs designed to enhance lifelong learning opportunities, foster a climate of personal growth and development, set high expectations for personal integrity, and assist students in the development of an informed set of values, ethics, and beliefs. Troy University embraces a campus climate in which civility and respect among members of the campus community is viewed vital to the overall ethical development of its students.

AUTHORITY FOR RULES AND REGULATIONS

The Board of Trustees of Troy University is vested with the authority to promulgate rules and regulations regarding the conduct of students while enrolled at Troy University by Title 16-56-6, Code of Alabama, 1975. The University Trustees have delegated full authority to the University administration to prepare and administer rules and regulations for the welfare and discipline of its students.

ADMINISTRATIVE RESPONSIBILITY AND AUTHORITY

The Student Services Division of the University has primary authority for the supervision of student conduct and administration of discipline. The Senior Vice Chancellor for Student Services and Administration and campus staff are responsible for working with students and student organizations to encourage support and compliance with University standards. The Senior Vice Chancellor may delegate specific responsibilities to members of his respective staffs, and in some instances, to student government agencies. It is permissible for the Student Services Conduct Officers on each campus to handle disciplinary decisions administratively if both the student or student organization and the Conduct Officer agree to an administrative hearing. The Student Services Conduct Officer is responsible for coordinating all disciplinary procedures and maintaining appropriate records of student conduct and disciplinary actions.

STATEMENT ON STUDENT CONDUCT

Troy University students are expected to obey national, state, and local laws, to respect the rights of members of the campus community, and to accept responsibility for the consequences of their behavior. In the event students fail to demonstrate such behavior, Troy University reserves the right to take necessary and appropriate action to protect the safety and well-being of the campus community. Such action may include pursuing disciplinary action for violations of University rules and regulations, policies, violations of national, state, and local laws that occur on-campus, off-campus, or on the internet that adversely affects the educational interest of the University.

Troy University's student conduct system is not a court of law. The Student Conduct Code is not written with the specificity of a criminal statute. In cases where civil or criminal proceedings also involve a violation of the Student Conduct Code, the University reserves the right to take appropriate disciplinary action against the student. Such action will be regarded as separate and distinct from proceedings in criminal or civil court and may be scheduled according to timelines that serve the interest of the University

THE TROJAN WAY

To live and perform "The Trojan Way", we are expected to:
Be Respectful
Speak Appropriately
Dress Properly for the Occasion
Behave as a Responsible, Kind Person
Adhere to Applicable Laws and Policies

MISCONDUCT DEFINED

By enrollment at the University, a student or organization neither relinquishes rights nor escapes responsibilities of local, state, or federal laws and regulations. The "STANDARDS OF CONDUCT" are applicable to behavior of students and organizations on and off the university campus if that behavior is deemed to be incompatible with the educational environment and mission of the university. A student or organization may be disciplined, up to and including suspension and expulsion, and is deemed in violation of the "STANDARDS OF CONDUCT", for the commission of or the attempt to commit any of the following offenses:

Academic Dishonesty, such as cheating and plagiarism to include the following:

Cheating:

- submitting material that is not yours as part of your course performance;
- using information or devices that are not allowed by the faculty;
- obtaining and/or using unauthorized materials;
- fabricating information, research, and/or results;
- violating procedures prescribed to protect the integrity of an assignment, test, or other evaluation;
- collaborating with others on assignments without the faculty's consent;
- cooperating with and/or helping another student to cheat;
- demonstrating any other forms of dishonest behavior.

Plagiarism:

- directly quoting the words of others without using quotation marks or indented format to identify them;
- using sources of information (published or unpublished) without identifying them;
- paraphrasing materials or ideas without identifying the source;
- self-plagiarism: re-submitting work previously submitted without explicit approval from the instructor;
- unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic material.

Alcohol Possession and Use

- possession or consumption of alcoholic beverages by persons under the age of 21;
- driving under the influence of alcohol;
- possession or consumption of alcoholic beverages in public locations on campus, including residence hall common spaces; Common spaces in residence halls refer to any public space that exists outside the bedroom of a specific residential unit. Examples include, but are not limited to kitchens, living rooms, bathrooms, group study/lounge spaces, laundry rooms, elevator lobbies, computer rooms etc. Common spaces also include the public spaces located on the outside grounds of a residence hall.
- the sale, distribution, or furnishing of alcoholic beverages to persons under the age of 21;
- the use of alcohol in an irresponsible manner (games, contests, forced or ritualized consumption of alcohol, behaviors requiring the response of a University official or law enforcement officer, etc.);
- providing alcoholic beverages to a person who is intoxicated;
- any activity or conduct involving the use of alcohol that is in violation of law.

Animals

- intentional abuse, inappropriate handling, or causing death to wildlife and/or animals
- bringing any unauthorized animal into any building owned, leased, or controlled by Troy University

Assault

- any intentional physical contact of an insulting or provoking nature;
- any physical abuse, intentional injury, or physical harm of another person.
- Classroom Copyright Infringement
- any recording and transmission of classroom lectures and discussions by students without prior written permission from the class instructor, and without all students in the class as well as the guest speaker(s) being informed that audio/video recording may occur (it is not a violation if student has educational accommodations through the Student Disability Resource Center);
- uploading any recordings of lectures and/or class presentations to publicly accessible web environments

Classroom Disruption

- any classroom behavior that interferes with the instructor's ability to conduct class or the ability of other students to learn
- Damage or Destruction of Property
- any damage or destruction of University property or another person's property

Deception

- any misuse of any University records, forms, or documents through forgery, unauthorized alteration, reproduction, or other means;
- any giving or receiving of false information to the University or to any University official, administrator, or administrative unit;
- providing false information to law enforcement officials;
- possession of any fake, altered, or any other identification that belongs to another person;
- any attempt to perpetrate a fraud against the University or a member of the University community

Disorderly Conduct

- all lewd, obscene, indecent behavior, or other forms of disorderly conduct;
- any abuse or unauthorized use of sound amplification equipment;
- any conduct which materially interferes with the normal operation of the University, or with the requirements of appropriate discipline

Disorderly/Improper Assembly

- any assembly for the purpose of causing a riot, destruction of property, or disorderly diversion, which interferes with the normal operation of the University;
- any obstruction to the free movement of other persons about campus or the interference with the use of University facilities

Drugs

- the possession, use, manufacture, cultivation, distribution, sale, and/or misuse of any controlled or illegal substance, designer drug, or synthetic cannabinoid (i.e. Spice or K2)
- the possession and/or use of any drug paraphernalia, i.e. bowls, hookah pipes, bongs, "homemade" smoking devices, any other smoking device or smoking paraphernalia;
- any activity or conduct involving drugs that is in violation of local, state, or federal law.

Failure to Comply

- failing to respond to a lawful request by properly identified University officials or law enforcement officials in the performance of their duties;
- failing to report for a conference, meeting, or appointment with any University official or faculty member;
- failing to appear and cooperate as a witness in a disciplinary case when properly notified;
- failing to comply with any disciplinary condition imposed on a person by any student conduct body or administrator;
- fleeing from law enforcement or university officials,
- failing to follow established University policies or guidelines

False Representation

- any unauthorized claim to speak and/or act in the name of Troy University or any organization, student, University officials or faculty members

Fire Safety

- any failure to evacuate or immediately respond to a fire alarm;
- participation in creating or causing a false fire alarm;
- participation in tampering, disconnecting, or altering any fire alarm system, equipment or component;
- failure to follow the instructions of staff and emergency personnel during fire alarms;
- the possession, use, manufacture, and/or sale of any incendiary device;
- participation in setting or causing to be set any unauthorized fire;
- the possession and/or use of any type of fireworks

Gambling

- Engaging in any form of gambling that is in violation of the law.

Harassment

- speech or other expression (words, pictures, symbols) that constitutes fighting words and is sufficiently severe, pervasive, or persistent so as to interfere, limit, or deny one's ability to participate in or benefit from an educational program. Fighting words may include, but are not limited to, words, pictures or symbols that:
  - are directed to an individual or individuals based on that person's race, color, sex, religion, creed, age, sexual orientation, gender, gender identity, disability, veteran status or national origin, and
  - threaten violence, tend to incite an immediate breach of the peace or provoke a violent response
  - In the context of this policy, fighting words are those which are commonly understood to convey direct and visceral hated or contempt for human beings. When determining whether speech is such as would provoke a violent response or incite an immediate breach of the peace, it is not necessary to show that that the person(s) addressed by the speech was or were actually incited to violence or hostile action. Conduct will be evaluated on a case-by-case basis, considering all circumstances involved
  - following, placing under surveillance, or contacting (in person, by phone, electronically, or by any other means) another person without his or her permission for the purpose of harassing or intimidating that person. Harassing or intimidating means a knowing and willful course of conduct that serves no legitimate purpose and causes emotional distress by placing another person in reasonable fear for the safety of him/herself or others

Hazing

- any act which endangers the emotional, mental, financial, physical health or safety of a student, with or without their expressed permission, or which destroys or removes public or private property, for the purpose of initiation, admission into, affiliation with, or as a condition for continued membership in a group or organization.
- any act intended to or actually cause physical discomfort, embarrassment and/or ridicule of another person for the purposes mentioned above participation in hazing, either by facilitating or encouraging the act, or allowing oneself to be subject to acts of hazing

Joint Responsibility

- Students who knowingly act or plan to act in concert to violate University regulations have individual and joint responsibility for their behavior;
- Any student who knowingly allows another person to violate University regulations without reporting to a University Official;

Sexual Misconduct

- Any sexual conduct that takes place without the victim's consent, sexual harassment, or sexual misconduct (Refer to Title IX and Campus SaVE Act section in this publication for more details.

Solicitation

- conducting an unauthorized sales campaign in a residence hall, classroom, or administrative building, or any other campus location;
- placing door hangers or signs on cars on campus or in on-campus residential facilities, or other campus property;
- any violation of the "Campus Advertising, Sales, and Solicitation Policy." (see the full policy in this publication)

Student Identification Card Violations

- altering, lending, or selling a student identification card;
- using a student identification card by anyone other than its original holder;

- using a student identification card in any unauthorized manner

Theft

- taking, possessing, or attempting to sell or distribute any property that is the property of another person, organization, or entity (including but not limited to the University) without the owner's permission;
- taking or attempting to sell any service that belongs to the University without proper permission

Threats

- an expression of intention to inflict injury or damage;
- to cause another person to feel fear for their safety or well-being

Tobacco

- the use of all forms of tobacco products on property owned, leased, rented or belonging to Troy University, or in any way used by the University or its affiliates, is expressly prohibited. "Tobacco Products" is defined as cigarettes, cigars, pipes, all forms of smokeless tobacco, clove cigarettes and any other smoking devices that use tobacco such as hookahs or simulate the use of tobacco such as electronic cigarettes, vaping, etc. (see full Tobacco policy in this publication)
- smoking in the residence halls

Unauthorized Entry

- unauthorized entry on or into any University building, office, residence hall, off campus residence, parking lot, motor vehicle, or other facilities;
- remaining in any building after normal closing hours without proper authorization;
- remaining overnight in public areas of the residence hall or surrounding areas without approval from University Housing staff.

Unauthorized Use

- unauthorized use of University equipment;
- unauthorized use of bathrooms, exits, or windows;
- unauthorized use or duplication of keys;
- unauthorized use or possession of any parking permit

Unauthorized Use of Computer or Electronic Resources

- unauthorized entry into any network, computer, or file to use, read, or change the contents, or for any other purpose;
- unauthorized transfer of a file;
- unauthorized use of another individual's identification and password;
- use of computing facilities that interfere with the normal operation of the University computing system;
- use of computing facilities that violate copyright laws;
- all devices attached to the University network must be registered;
- use of tools for port-scanning, "sniffing," or to monitor or read transmissions from other users on the network is prohibited;
- workstations attached to the University network are required to have virus protection software. Virus definitions must be updated at least every two weeks;
- any violation of the University's computer use policies.

Violation of Confidentiality

- violating the confidentiality of a student's educational record;
- Student Conduct Advocates or University Student Conduct Board members may not disclose confidential student conduct information;
- student employees may not disclose confidential work-related information

Violation of Law

- Conduct in violation of public law, federal and state statutes, local ordinances, or university regulations or policies whether or not specified in detail, which adversely affects the student's suitability as a member of the academic community and regardless of whether such conduct has resulted in a conviction under a statute of ordinance. This includes violations both on and off campus

Violations of Other University Policy

- Violation of any university policies or regulations as published or referred to in the Student Handbook, including, but not limited to, those governing the time, place and manner of public expression; the registration of student organizations; the use of university facilities; occupation and visitation of residence halls and other housing owned or controlled by the university; and the use and parking of motor vehicles on the campus

Weapons and Firearms

- Except where allowed by law or specifically authorized by the administration or as part of a University-sanctioned event, no student shall keep, use, possess, display, or carry any rifle, shotgun, handgun, or other lethal or dangerous device capable of launching a projectile by air, gas, explosion, or mechanical means (including BB guns, air-soft guns, and paint-ball guns) on any property owned, controlled, or leased by the University;
- no student shall use, possess, display or carry any toy weapon which resembles a real weapon;
- No student shall use, possess, display or carry any swords, any illegal knives, any explosives (including fireworks and sparklers), any martial arts weapons or any devices which are used to threaten the safety and well-being of a person on any property owned, controlled, or leased by the University unless specifically authorized by the administration or as part of a University-sanctioned event;
- anything used to injure, attempt to injure, or harass another person is considered a weapon;
- Illegal or unauthorized possession of weapons that include, but are not limited to: firearms, explosives, other weapons, or dangerous chemicals;
- any violation of federal or state Law against carrying a weapon and/or firearm;
- In unclear cases of definition, the context in which a particular object was used or attempted to be used will determine whether it is a weapon.

COMPLAINT POLICY

Please consult the Troy Student Complaint Policy located at: https://www.troy.edu/_assets/about-us/_documents/troy-student-complaint-policy-and-form.pdf and submit a completed form to Troy University, 231 Adams Administration, Troy, AL, 36082.

Online students may appeal unresolved complaints to the Alabama Commission on Higher Education, the SARA Portal Entity for Alabama. Additional details are available on the Student Complaint webpage.

For students receiving VA education benefits, any complaint against the school should be routed through the VA GI Bill Feedback System by going to the following link: https://www.benefits.va.gov/gibill/feedback.asp. The VA will then follow up through the appropriate channels to investigate and resolve the complaint satisfactorily.

For students receiving tuition assistance through the Department of Defense, students should submit any complaints against the school through the Postsecondary Education Complaint System by going to the following link: https://www.militaryonesource.mil/resources/gov/postsecondary-education-complaint-system/.

California Residents: Affected students enrolled in out-of-state online college programs can file complaints at www.dca.ca.gov, or call the Department's Consumer Information Center at (833) 942-1120.

Florida Residents: For student complaints not resolved by the institution, students can contact the Commission for Independent Education at 325 West Gaines Street, Suite 1414, Tallahassee, FL 32399-0400, toll-free telephone number (888) 224-6684.

Georgia Residents: For student complaints not resolved by the institution, students can contact the Georgia Nonpublic Postsecondary Education Commission, 2082 East Exchange Place, Tucker, GA 30084, Telephone (770) 414-3300.

South Carolina Residents: For student complaints not resolved by the institution, students can contact the South Carolina Commission on Higher Education.

DISABILITY SERVICES: POLICIES AND PROCEDURES

Please consult the *Oracle*, the University's official student handbook, online at my.troy.edu/student-disability-services for the most current and complete policies related to disability services.

TOBACCO POLICY

Introduction

Troy University is committed to providing a healthy and safe environment for all students, faculty and staff. The University's Board of Trustees demonstrated this commitment with the approval of a resolution designating Troy University as a tobacco-free institution. This policy prohibits smoking and the use of all tobacco products within all University buildings, parking lots, structures, walkways, indoor and outdoor athletic facilities, University vehicles, worksites and grounds and any vehicles on campus regardless of ownership. The health care and health education programs of the University perform an important function by demonstrating and promoting healthy lifestyles through activities such as curtailment of the use of tobacco products.

Definitions

- "Smoking" means inhaling, exhaling, burning or carrying any lighted or heated cigar, cigarette or pipe.
- "Tobacco Products" such as all forms of tobacco, including but not limited to cigarettes, cigars, pipes, water pipes (hookah), electronic cigarettes and smokeless tobacco products (e.g. chewing tobacco and snuff).
- "Members of the University Community" include its faculty, staff, students, volunteers, vendors, customers and visitors.

Policy

This policy applies to all Troy University employees, students, contractors, vendors, recruits and visitors.

The use of all tobacco products is prohibited on all property that is owned, operated, leased, occupied or controlled by the University. "Property" for the purposes of this paragraph includes buildings and structures, grounds, parking lots, non-public walkways, sidewalks and vehicles, as well as personal vehicles in these areas. These same policies apply for all TROY campuses and locations.

Troy University will provide a variety of wellness initiatives to assist students, faculty, and staff to achieve nicotine independence and smoking cessation.

IMPLEMENTATION AUTHORITY

Authority for enforcement of this policy is vested in the Deans of Colleges, Department Chairs, Supervisors or the Dean of Students and Athletic Director or their designee, in conjunction with the Senior Director of Human Resources.

COMPLIANCE

Violation of this policy may result in corrective action under the Student Code of Conduct, Human Resources Policies and Procedures or other applicable University Regulations or Policies. Visitors refusing to comply may be asked to leave campus.

COMMITMENT TO FREE EXPRESSION

Students at public universities enjoy robust speech rights under the Constitution in order to contribute to the marketplace of ideas, learn from each other, and freely discuss and debate a wide range of issues. Troy University is committed to protecting the freedom of speech for students, faculty, and staff, and will not infringe on speech that may be considered to be an unpopular or inconvenient expression of ideas.

CAMPUS FREE SPEECH AND ASSEMBLY POLICY

Adopted by the Troy University Board of Trustees on August 26, 2020

I. BACKGROUND

Alabama State Legislature Act 2019-396 enacted in June 2019 mandated certain free speech and assembly actions applicable to state universities and concurrent with other state and Constitutional freedoms. Complying with provisions of this new law, Troy University fully supports a campus environment that promotes, protects and upholds intellectual freedom of expression contributing to the marketplace of ideas to include those expressions that some may consider unwelcome, unpopular or disagreeable.

II. POLICY STATEMENT

Troy University recognizes and supports the role of a university as a marketplace for ideas. Freedom of expression and public assembly are essential components of the education process. Troy University is committed to its function as an institution in which stakeholders discover and disseminate knowledge by means of research and teaching. Further, Troy University supports the rights of students, employees, and visitors to speak in public and to demonstrate for or against actions and opinions with which they agree or disagree.

Such freedom comes with a responsibility to welcome and promote this freedom for all, even in disagreement or opposition. The responsibility of the University to operate and maintain an effective

and efficient institution of higher education requires regulation of time, place, and manner of assembly, speech, and other expressive activities on the grounds and facilities of the University. In keeping with this responsibility, students, faculty, and staff are free to exercise the rights to assemble and engage in expressive activity in a constitutionally protected manner subject only to the content-neutral regulations necessary to fulfill the mission and obligations of the University, preserve the rights of others, coordinate multiple uses of limited space, assure preservation of the campus facilities and grounds, and assure financial accountability for any damage caused by these activities.

It is not the proper role of the University to shield individuals from speech protected by the First Amendment of the United State Constitution and Article I, Section 4 of the Constitution of Alabama, including, without limitation, ideas and opinions they find unwelcome, disagreeable, or offensive.

The University will at all times strive to remain neutral as an institution on the public policy controversies of the day, except as far as administrative decisions on the issues are essential to the day-to-day functioning of the University. The University will not require students, faculty, or staff to publicly express a given view of a public controversy. However, 2 students, administrators, faculty, and staff are free to take positions on public controversies and to engage in protected expressive activity in outdoor areas of the campus, and to spontaneously and contemporaneously assemble, speak, and distribute literature.

In all cases of expressive activity, university employees must be mindful such expression should be in keeping with the mission of the university and do no harm to the university or others.

III. DEFINITIONS

Amplified Sound is sound that is increased or enhanced by any electric, electronic, or mechanical means, including handheld devices such as megaphones and sound trucks.

Campus Grounds means all outdoor areas owned, leased or controlled by the University that are common accessible to all students and employees such as sidewalks, lawns, parking lots, and promenades.

Demonstration action by a mass group or collection of groups of people in favor of a political or other cause or people partaking in a protest against a cause of concern; it often consists of walking in a mass march formation and either beginning with or meeting at a designated endpoint, or rally, to hear speakers.

Debate is a discussion in which opposing sides of an issue are advocated and/or presented by differing speakers.

Expressive Activity is the verbal or symbolic expression of an idea, thought or opinion and may include speeches, assembly, marches, parades, rallies, picketing, distribution of literature, graphic or pictorial displays and other similar activities intended to communicate an idea or opinion. Expressive Activity does not include speech that is likely to incite or produce imminent lawless action, expression that consists of fighting words or threats of physical harm or expression that is defamatory, obscene or commercial in nature.

Literature is any printed material that is produced in multiple copies for distribution or publication to an audience, including but not limited to flyers, handbills, leaflets, placards, bulletins, newspapers, and magazines, but does not include the Tropolitan or official University material.

Official University Function is all activities, events and programs sponsored by an academic or administrative unit of the University.

Outdoor Forum is a designated area on campus not confined by walls or a roof. Within this designated area, individuals or groups are encouraged to openly discuss, express, and/or exchange ideas on topics in accordance with university policies.

Outside Group/Individual is an organization or group of people not registered with or recognized by the Dean of Students or, if a nonstudent group, another University division. An Outside Individual is any person not enrolled at or employed directly by the University.

Registered Student Organization is an organization that has been approved and recognized by the Division of Student Affairs in accordance with the ORACLE.

Sponsored Activity is any expressive activity that is presented by a sponsored guest under this policy.

Sponsored Guest is any person or organization invited to engage in expressive activity on campus grounds by a sponsoring organization in accordance with this policy.

IV. POLICY

A. **General.** Troy University is committed to providing an educational environment that is conducive to the development of each individual. As a public institution, the university provides formal and informal forums for the expression of ideas and opinions as long as it is done within the context of university policies and does not impede pedestrian and/or vehicular traffic, disturb or interfere with normal academic, administrative or student activities, or involve coercive behavior.

B. **Application.** This policy applies to all University students, employees, organizations, and sponsored guests. This policy does not apply to official academic activities and official functions of the University. For Faculty policies, refer to the Faculty Handbook.

C. **Outdoor Forums** Nothing in this section shall be interpreted to limit a student's right to free expression elsewhere on campus so long as the expressive activities or related conduct do not violate any other applicable university policies.
   1. An outdoor forum area is designated in the Quadrangle area adjacent to the student center on the Troy campus.
      - For Dothan- the quadrangle between the three main buildings is so designated.
      - For Phenix City-the southside of the River-front building is so designated.
      - For Montgomery- the paved walkway to the west main entry to Bartlett Hall is so designated.
   2. The University reserves the right to define, redefine or re-designate outdoor forum locations at its sole discretion.
   3. These forum areas provide an area for free exchange of ideas and do not have to be pre-scheduled, However, sponsors/participants are encouraged to schedule with the Dean of Students to minimize possible conflict.

D. **Free Expression Responsibilities**. Freedom of expression at the university includes organized demonstrations or events. At the same time, the university has long recognized that this right does not include the right to engage in conduct that disrupts the university's operations or endangers the safety of others. Expressive activity may not create a vehicular or other safety hazard or constitute disruptive activity, defamation, riotous conduct or obscenity as defined by federal or state law

and may not impede access to other expressive activity, such as blocking the audience's view or preventing the audience from hearing a speaker. Displaying a sign, gesturing, wearing symbolic clothing or otherwise protesting silently is permissible anywhere unless it is a disruptive activity as defined by federal or state law.

E. **Expressive Activity and Use of Campus Facilities**

1. **Campus Events**
   - Campus large scale events defined as events attracting 50 or more people require coordination with either the Senior Vice Chancellor for Academic Affairs (for academic events) or Dean of Students (for student organizations) for speaking events or demonstrations outside the outdoor forum.
   - Such events may include: invited speakers, use of amplified sounds, marches etc.
   - Only campus recognized organizations may sponsor such activities and must request authorization to use a university controlled building or campus area.
   - Such requests must be submitted seven working days in advance to Dean of Students using the online event management request system.
2. **Organization Responsibility**. Organizations inviting outside groups or speakers to campus will ensure that a safe, non-disruptive environment exists for free expression. In turn, speakers "expressive actions" must avoid defamation, threats, obscenities or conduct not conducive to good order and discipline. The University will not charge security fees based on anticipated speech content requiring the need for additional security.
3. **Reservation Denial.**
   - The University will not deny a registered student organization any benefit or privilege available to any other registered student organization or otherwise discriminate against the organization based on the expression or beliefs of the organization.
   - Requests to reserve a designated area, to use amplified sound, or to register a route for a parade, march or rally may not be denied based on the content of the proposed expressive activity.
   - Requests may be denied for the following reasons:
     - Scheduling conflict with another group;
     - the designated area or an adjacent area has been reserved for an official University function or the designated area is no longer suitable for use due to a conflict with a nearby official University function;
     - the reservation or registration form is incomplete; o the request exceeds more than fifteen days in a semester or is for more than five consecutive days;
     - the proposed event or activity will substantially interrupt the safe and orderly movement of traffic or create a safety hazard; or
     - the request was submitted by an individual or organization that is not permitted to reserve space on campus under this policy.
4. **Expressive Activities Relocation** Individuals and organizations engaged in expressive activity on campus may be required to relocate to other areas by the Dean of Students or, when immediate action is necessary, the University police department, under the following circumstances:
   a. the noise generated by the activity disrupts an official University function or substantially interferes with resident housing life and activities (e.g. the activity is too close to an academic, administrative or residential building);
   b. the location does not safely accommodate the number of participants;
   c. the number of individuals participating in or attending the activity creates unsafe conditions for vehicular or pedestrian traffic, parking, or blocks the ingress or egress to buildings or official university activities;
   d. the space has been reserved for an official University function, has been reserved in accordance with this policy, or a reserved location is needed for an official University function; or
   e. the activity creates a health or welfare hazard, such as interfering with fire, police or emergency services.
5. **Distribution of Literature**
   Students, employees and sponsoring organizations may distribute literature on campus grounds. Sponsored guests may distribute literature only in the designated area reserved for their use. If no Registered Student Organization will sponsor an outside individual or organization to distribute literature on campus grounds, they may file a request with the Dean of Students seven business days before the requested event or activity. If an outside individual 6 or organization does not reserve an area at least seven business days before they intend to distribute literature, they must use a designated outdoor forum defined in Section IV. C of this policy. Students, employees, sponsoring organizations and sponsored guests who distribute literature should be responsible for refraining from littering on campus grounds. It should be understood and presumed that all literature distributed by students, employees, sponsoring organizations, or sponsored guests does not represent the views and opinions of Troy University. If literature could be reasonably mistaken as taking an official position on behalf of the University, a disclaimer statement should be added to the literature. This policy does not apply to attempts to distribute literature that is commercial in nature (i.e. information about goods or services offered for sale).
6. **Responsibilities of Individuals, Sponsoring Organizations and Sponsored Guests**
   Sponsoring organizations are responsible for ensuring that sponsored guests read and understand all obligations set out in this and all other applicable University policies. Members of the University community may be held individually responsible and sponsoring organizations may be held collectively accountable for any violations of University policies, including the Code of Student Conduct and personnel policies, as applicable. Sponsored guests who do not comply with this or other applicable University policies automatically forfeit their

reservations and must immediately vacate University property. Repeat violations of this policy by a sponsored guest may result in loss of privilege for the sponsored guests as determined by the Dean of Students.

7. **Appeal of Decisions Related to Expressive Activity**
   Students, employees and organizations whose requests for use of campus grounds for expressive activity are denied may appeal the decision to the Dean of Students no later than two business days after the decision that is being challenged was made. The appeal must be made in writing and state the specific reason(s) the individual or organization disagrees with the decision. The appeal should include all information the individual or organization believes will assist the Dean of Students to decide the matter. The Dean of Students will issue a decision on the appeal within three business days of its receipt. The decision is final.

V. SANCTIONS

Anyone under the jurisdiction of the University who materially and substantially disrupts the free expression of others is subject to a range of disciplinary sanctions per Alabama law. For students, see the Student Code of Conduct. For employees, see Staff and Faculty handbook.

VI. EVENT TERMINATION/ POSTPONEMENT

In addition to the forgoing stipulations in this policy, the University reserves the right to cancel, relocate, postpone, or take protective measures with respect to proposed or ongoing expressive activity if the speech or conduct in question poses an imminent threat of unlawful action, violence, or disruption of University activities or operations.

VII. IMPLEMENTATION AND REPORTING:

A. This policy will be incorporated as follows:
   - Publish annually in student handbook- The ORACLE
   - Include with Human Resources materials for new faculty and staff orientation
   - Post on TROY website
   - Share annually with Student Government Association

B. Troy Board of Trustee Reporting
   - On implementation, Troy Board of Trustees will report initial action to the Legislature and Governor no later than September 28, 2020.
   - Annually, by August 1, the Senior Vice Chancellor for Student Services will provide a 12 Month report (August 1-July 31) to Chancellor who will submit to the Board, information as follows:
     - Violations of policy with dates/
     - description.
     - Outcome of violation-administrative, punitive
     - Describe challenges/successes in supporting administratively or maintaining institutional neutrality
     - Any other information Board feels necessary to report
   - Board, in turn, must submit an annual report to Governor and Legislature beginning September 1, 2021.
   - Troy University will submit Board report to ACHE and post on its university web site.

ADMISSION REQUIREMENTS

Troy University seeks to admit students who possess the intellectual capacity, maturity, previous training, and motivation necessary for success in educational programs. Troy University welcomes applications from a variety of students including traditional college age students, adults who will combine their educational pursuits with work, or lifelong learners who are simply seeking enrichment. Programs and courses are offered for full-time and part-time students, and are offered in a variety of formats and times including traditional day classes, night classes, and weekend classes. Programs or classes are also available online and through other alternative methods of educational delivery.

Students are encouraged to apply well in advance of proposed start dates. The University reserves the right to investigate and review the records of any applicant to determine the applicant's eligibility to enroll.

If fraudulent information is discovered during the application process, including transcripts and test scores, the University reserves the right to deny admission. If the discovery occurs after admission and class registration, the student may be administratively withdrawn.

Incoming students should consult with the Office of Enrollment Management for information regarding any revisions to or additional requirements in the admissions process.

BEGINNING FRESHMEN

Beginning freshmen are defined as high school graduates who have attempted less than 12 credit hours of coursework at other colleges or universities.

All Freshman applicants who are graduates of accredited high schools must submit an official transcript showing graduation and a minimum of 15 Carnegie units, with three or more units in English. Of the units presented, 11 must be in academic courses.

Troy University will accept both the old SAT-1 and the realigned SAT scores. The realigned SAT scores are tests taken after March 2016 and are noted as RSAT in the below requirements.

A. Unconditional Admission

Beginning freshmen who are graduates from a regionally accredited and/or state approved high school (or the General Education Diploma* (GED) may be granted unconditional admission with proof of an acceptable test score (20 on the ACT or 950 on the SAT-I or 1030 RSAT and a minimum high school GPA of 2.00. The writing component on either test is not currently required or assessed in the evaluation for admission. Students who meet one of the following criteria are considered Adult Student status and are not required to submit ACT/SAT scores unless the high school GPA is below a 2.00:

1. Active-duty military member/veteran, or
2. A full-time employee, or
3. Assumed adult responsibility (parent/guardian/spouse), or
4. Be 21 years of age or above

GED Requirements:

- After March 1, 2016 - score of 145 for all test subjects
- After January 1, 2014 - score of 150 for all test subjects
- Before January 1, 2014 - cumulative score of at least 500 (or equivalency outside AL)

B. Conditional Admission

Any applicant who does not qualify for unconditional admission may enroll at Troy University as a conditionally admitted student by meeting the following criteria:

- If the high school GPA is less than 2.00 (on a 4.00 scale), the applicant must have a minimum composite score of 20 on the ACT or 950 on the SAT-1 or 1030 RSAT.
- If the applicant's composite score on the ACT is less than 20 (but at least 17) or less than a 950 on the SAT-1 (but as least 830) or less than 1030 on the RSAT (but at least 910), the cumulative high school GPA must be at least 2.50 (on a 4.00 scale).
- If the applicant, who does not qualify for adult student status, has earned a state issued GED (see required above) and has a composite score on the ACT of less than 20 (but at least 17) or less than a 950 on the SAT-1 (but as least 830) or less than 1030 on the RSAT (but at least 910)

Conditional admission must be cleared at the campus/site where conditional admission is granted.

The conditionally admitted student will be permitted to carry a maximum course load of 14 credit hours per semester (seven hours per Term) for a maximum of 24 hours of Troy University work., Concurrent enrollment in the semester and any term(s) may not exceed 14 hours.

Conditionally admitted students will be granted unconditional admission status upon completion of 24 semester credit hours at Troy University with an overall 2.00 GPA. Credits earned by a conditionally admitted student are recorded on the permanent record of the student and will apply, if applicable, toward a regular undergraduate degree program. Any conditional student who fails to attain a 2.00 GPA upon completion of 24 hours attempted at Troy University will be dropped from the program. However, a conditionally admitted student earning a 0.00 GPA on the first six hours will be dropped from the program.

A conditionally admitted student whose academic performance results in being dropped from the program may appeal for readmission to the University, after a period of 12 months, through the campus-specific Conditional Appeals Committee (CAC) where the original conditional admission was granted. Upon being approved for readmission as a conditional student, the student will be granted unconditional status upon the completion of another 12 to 24 semester credit hours at Troy University with an overall 2.0 GPA. Any conditional student who fails to attain a 2.0 GPA upon completion of the additional 24 semester credit hours at Troy University will be dropped from the program. Students who have transferred to regionally accredited universities after being dropped from the program and wish to return to Troy University must apply for admission as a transfer student through the Office of Enrollment Management. In order to qualify for admission, these students must meet the unconditional admission requirements.

C. Other

Early Admission

Admission is granted to the University concurrent with secondary school enrollment where academic credit is awarded only by the University. Applicants desiring early admission should be at least 10th graders in high school with at least a 20 ACT/ 950 SAT-1/1030 RSAT/ 63 CLT and a 3.00 GPA. Additionally, applicants must submit a letter from a school official authorizing their enrollment under this status.

ACCELERATE Dual Enrollment

High school students may enroll in college courses in an attempt to concurrently receive college and high school credit for equivalent coursework. This program is a cooperative effort on the part of the various high schools and Troy University. Applicants desiring admission should be at least 10th graders in high school with at least a 20 ACT/ 950 SAT-1/1030 RSAT/ 63 CLT and a 3.00 GPA. Additionally, applicants must submit a letter from a school official authorizing their enrollment under this status.

Unclassified Admission

(Limited to active duty military, National Guard, or Reserve)

Unclassified admission allows a student to enroll with the University in their initial term/semester of enrollment without submission of transcripts and/or test scores. Submission of the application for admission is required. Additionally, students applying for this status must submit **one** of the following as proof of military status at the time of application:

- Leave Earnings Statement
- DD Form 2A
- Letter from commanding officer

The maximum credit hour load for a student under unclassified admission is six credit hours (for a nine week term) or 12 credit hours (for a 16 week semester). No federal financial aid (Pell Grant, student loans, etc.) will be awarded to students under this status.

Students enrolling under this classification must provide all official transcripts from previous institutions attended prior to completing the first term of enrollment. Once all appropriate documents have been evaluated, a decision regarding regular admission to the University will be made. Students not meeting the undergraduate admission requirement will not be permitted to enroll in subsequent terms or semesters.

TRANSFER APPLICANTS

Transfer applicants must have attempted at least 12 credit hours of coursework, excluding developmental/remedial courses, at other regionally accredited colleges or universities.

Academic credit and/or degrees accepted by Troy University must be earned at regionally accredited U.S. institutions or at foreign universities whose academic credit and/or degrees have been evaluated and determined to be equivalent to that awarded by a U.S. institution. All transfer credit is evaluated in terms of level, content, quality, comparability, and degree program relevance.

Transfer applicants must have official transcripts from each college or university they have previously attended sent directly to 100 University Park, Troy University, Troy, AL 36082. Official digital transcripts must be submitted through: transcripts@troy.edu.

A. Unconditional Admission

Transfer applicants will be granted unconditional admission if they are in good standing at the last college attended and if they have an overall GPA of 2.00 (4.00 scale) or better on all college/university work attempted. Technical and developmental/remedial work is not considered in determining grade point average. Applicants who have been suspended from the last institution they attended for any reason must be eligible to return to that institution before being considered for admission to Troy University. No conditional admission provision is available for transfer students. Applicants not meeting the unconditional admission requirement who demonstrate significant potential for success and have perhaps overcome legitimate and extenuating circumstances, may be granted admission by appealing to the Associate Vice Chancellor for Enrollment Management or designee.

B. Unclassified Admission

(Limited to active duty military, National Guard, or Reserve)

Unclassified admission allows a student to enroll with the University in their initial term/semester of enrollment without submission of transcripts and/or test scores. Submission of the application for admission is required. Additionally, students applying for this status must submit **one** of the following as proof of military status at the time of application:

- Leave Earnings Statement
- DD Form 2A
- Letter from commanding officer

The maximum credit hour load for a student under unclassified admission is six credit hours (for a nine week term) or 12 credit hours (for a 16 week semester). No federal financial aid (Pell Grant, student loans, etc.) will be awarded to students under this status.

Students enrolling under this classification must provide all official transcripts from previous institutions attended prior to completing the first term of enrollment. Once all appropriate documents have been evaluated, a decision regarding regular admission to the University will be made. Students not meeting the undergraduate admission requirement will not be permitted to enroll in subsequent terms or semesters.

The Associate of Applied Science Degree (AAS) may be considered for admission to the University.

INTERNATIONAL ADMISSION

Additional information for beginning freshmen and transfer applicants

Contact information for international applicants:

Center for International Programs
014 Hawkins Hall
Troy University
Troy, AL 36082
USA
(334) 670-3335
intladm@troy.edu

Application for admission should be made at least three months in advance of the proposed term of Troy University. The admission process begins with an online application located at https://www.troy.edu/applications-admissions/. Questions may be addressed to the International Admissions Office by telephone at 1-334-670-3335.

Additional Requirements for a Student Visa

The following documents must be submitted to the Center for International Programs:

1. International Admission Application

2. Official secondary school transcript or mark sheets including notice of graduation.
3. English proficiency* requirements-One of the following tests are accepted:
   TOEFL iBT: 61
   IELTS Overall Band: 5.5
   SAT (R/W): 480
   ACT (English): 20
   iTEP: 3.5
   PTE: 46
   Duolingo: 95
   Oxford ELLT Test: 6
   MET: 51

   The test will be considered valid for two (2) years starting from the date it was taken.

   Troy University offers admission into our **Pathway program** for undergraduate students with an English proficiency test score that does not meet the minimum requirement. Students who are within the Pathway range will be placed in the Pathway program and take predetermined academic classes with ESL support. If a student does not have an English proficiency score upon arrival, they will be tested using the ESL placement test. Based on the result of the test, they will be placed in either academics, ESL, or Pathway program.
   ESL Pathway Cutoff:
   IELTS: 5.0
   TOEFL: 50-60
   iTEP: 3.0-3.4
   PTE: 35-46
   Duolingo: 85-90
   Oxford ELLT Test: 5
   MET: 49

   Contact the Center for International Programs at intlrecruit@troy.edu for more information.
4. A current passport.
5. Proof of financial support sufficient for 2 semesters of study.

   * *Students can obtain conditional admission without the listed test scores. These students must take ESL placement test and pass its requirements in order to matriculate into academic programs.*

Transfer Credit from Universities in the United States

International students transferring from universities in the United States must submit the following documents in addition to the ones listed above:

- An official transcript, including all work completed at other U.S. universities. Minimum GPA 2.00 (4.00 scale).

International students transferring from universities outside the United States must submit the following documents in addition to the ones listed above:

- An official transcript, including all coursework completed at all other universities attended, along with an official English translation. Minimum GPA must be equivalent to a United States GPA of 2.00 on a 4.00 scale.

Transfer Credit from Foreign Universities

Depending on home location and/or immigration status, students seeking transfer of credits from regionally recognized foreign institutions may pursue one of the following two methods for the official International Transfer Credit Evaluation.

1. Students who hold F/J visas AND are attending one of Troy University campuses located in Alabama (Troy, Dothan, Montgomery, and Phenix City) will be required to present to the Troy University International Admissions Office (IAO) original transcripts including an English translation and university prepared course descriptions for processing through the Academic Evaluation Center.
2. Students who are **not** attending TROY on F/J visas, but who have international credits they wish to have evaluated **(i.e. non-partner TROY Online / military affiliated students, or students holding other visa types)**, must request an official course-by-course evaluation from any evaluation agency which is a member of NACES (https://www.naces.org/members) or a copy of AACRAO evaluation if one was completed prior to September 2016 to be sent to the following address:
   Troy University
   TROY Online Student Services
   100 University Park
   Troy, Alabama 36082

   Students must also request official transcripts and course descriptions to be sent to the above address at Troy University directly from the issuing institutions and submit the online request form for academic evaluation located at:
   https://my.troy.edu/records/

English Proficiency Requirements for Admitted Students

An ESL placement test will be administered to admitted students who do not meet English proficiency requirements for first-time and transfer students.

Placement in English as a Second Language classes or into academic classes will be based on attainment of identified cutoff scores on this test. Contact the Center for International Programs at esl@troy.edu for specific information.

To admit students from ESL to academic programs based upon their achievement in the Intensive English Program, the following process will be used.

- Initially arriving international students who do not meet the English proficiency requirements will be administered an ESL placement test. Attaining a passing score on that test above placement into Level VI will be eligible for full-time study in their academic program.
- Students placed into advanced level ESL classes who earn a 3.0 GPA in ESL courses in their final term shall then meet the University's English language proficiency standard for admission. Students will take a final examination, which will count for 30% of the final grade, in each of the four ESL courses. Each final examination will be prepared by a committee made up of the Troy ESL faculty who teach the upper-level ESL courses

Undergraduate "advanced-level" ESL students may take academic classes at the same time as ESL classes if they meet the specific criteria in the ESL Student Handbook. Students who achieve a GPA of at least 2.0 in each non-ESL course and 3.0 or higher in ESL courses will be eligible to be fully admitted. Any "advanced-level" student not achieving admission during his or her first semester will be required to repeat the part-time academic/part-time ESL enrollment in the next semester or to take only ESL classes, at the discretion of the ESL Director.

Place in an English composition course, ESL 1100 or ESL 1101.

English Placement for Non-native Speakers of English

Any student whose first language is not English must submit an official score report for the Test of English as a Foreign Language (TOEFL), the International English Testing System (IELTS). Students who do not meet the minimum English proficiency requirements specified for the TOEFL, IELTS or ACT Compass ESL test will be placed at the appropriate level in the Troy University English as a Second Language (ESL) program. The ESL program is available on the Troy Campus

AUDIT

Students may audit any Troy University course by indicating audit at the time of registration. No credit will be given, no hours attempted will be earned, and fees will be assessed based on the audit credit hour rate. Audit hours are not counted in maximum or minimum credit load limits and no credit will be earned.

Students may change from audit to credit or from credit to audit within the designated drop/add period the first week of classes, a period allowing students' flexibility to change classes without academic or financial penalty

TRANSIENT STATUS

Note: Transient students are not eligible for financial aid.

Student from another institution wishing to enroll at Troy University as a transient student

A student enrolled at another institution who is in academic good standing may wish to study at Troy University and then return to the original institution. The student should make application as a transient student with appropriate transient authorization. In order to complete this process, students desiring to enroll at the Troy Campus must submit the completed Medical History Form. Students granted transient admission should request that official Troy University transcripts be sent to the home institution.

Troy University student wishing to enroll as a transient student at another institution

A student receiving prior Troy University transient authorization does not need to be readmitted if the absence does not go beyond the term authorized. Troy University transient authorization assumes the student remains in good standing and has not officially withdrawn from the University for the term that authorization was granted. The student must provide an official transcript from the institution attended. A student returning beyond the approved transient authorization must reapply under the readmission rules.

RETURNING TO TROY UNIVERSITY

Students in academic good standing with the University who have not been enrolled for two years (from the last term/semester for which grades were received) must submit a new application for admission at www.troy.edu/applications-admissions.

Former TROY students who enrolled at another institution since their last term/semester of enrollment must submit a new application for admission. Transcripts from that institution(s) must also be submitted at www.troy.edu/applications-admissions.

Students who have not received a grade at TROY within two years and have no attended another institution must contact the Office of Admissions at 800-414-5756 for further guidance on registering for classes.

This action should not be confused with the "Readmission" policies under Academic Regulations, regarding students "suspended" from the University.

RECEIVING TRANSIENT AUTHORIZATION

Students receiving prior Troy University transient authorization do not need to be readmitted if their absence does not go beyond the timeframe authorized. Troy University transient authorization assumes that the student remains in good standing and has not officially withdrawn from the University for the time period authorization was granted. Students must provide official transcripts from the institutions attended.

POST DEGREE STATUS

Students who have earned baccalaureate degrees or higher degrees from the University or from other institutions may enroll for additional undergraduate coursework as post degree students. Transcripts with posted degree must be submitted.

TEMPORARY ADMISSION

Temporary admission may be granted to an applicant who has submitted incomplete information or documentation for full admission to the University. Temporary admission may be granted for one term/semester. Students granted temporary admission must submit all complete and/or official records before the end of the term/semester for which the temporary admission was given. With the permission of the Associate Vice Chancellor of Enrollment Management or the campus/site designee, a second temporary may be extended for the subsequent term. In the event the final records indicate that the student is not eligible for admission, the student may be administratively withdrawn with no refund issued.

ADMISSION FOR STUDENTS GRADUATING FROM NON-ACCREDITED INSTITUTIONS (*Including Home Schooled Students)*

Students attending institutions which are not regionally accredited may submit transcripts for review to determine admissibility. The regional accrediting agencies are as follows:

- Higher Learning Commission
- Middle States Association of Colleges and Schools
- New England Association of Schools and Colleges
- Northwest Commission on Colleges and Universities
- Southern Association of Colleges and Schools
- Western Association of Schools and Colleges

Students graduating from home-school programs must comply with the same requirements as students graduating from traditional programs.

PROVISIONAL CREDIT

If a student meets regular admission standards and has earned college level courses at an unaccredited institution of higher learning, the student may be given provisional credit. However, the credits will not be considered for acceptance until the student has attended Troy University as a full-time student for two semesters and has met the grade point average necessary for good standing. Credits will be reviewed by the dean of the discipline and the Records Office. A determination will be made based on (1) the unaccredited institution's affiliation with the Commission on Recognition of Post Secondary Accreditation; and/or (2) acceptance of credit by at least three other accredited institutions located in the area of the unaccredited institution. Contact the dean

of enrollment management or the Global Campus site director for more information.

ADDITIONAL ADMISSIONS NOTES

Active duty military, National Guard, Reservist, and veterans may be admitted on the basis of an exempted ACT or SAT score requirement, regardless of age. These students will be required to present a military ID or DD 214 as part of their application submission in addition to the high school transcript or GED score. Also, Students who are certified as "qualifiers" through the Eligibility Center of the NCAA are eligible for admission. Students who have been certified by the NCAA must submit required test scores and transcripts to the Office of Admissions. Evaluation of credentials determines the enrollment status: unconditional or conditional.

The following individuals shall be charged a rate of tuition not to exceed the in-state rate for tuition and fees purposes:

- A Veteran using educational assistance under either chapter 30 (Montgomery VA Educational Benefits-Active Duty Program) or chapter 33 (Post-9/11 VA Educational Benefits), of title 38, United States Code, who lives in Alabama while attending a school located in Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of discharge or release from a period of active duty service of 90 days or more.
- Anyone using transferred Post-9/11 VA Educational Benefits (38 U.S.C. § 3319) who lives in Alabama while attending a school located in Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of the transferor's discharge or release from a period of active duty service of 90 days or more.
- Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school. The person so described must have enrolled in the school prior to the expiration of the three-year period following discharge or release as described above and must be using educational benefits under either chapter 30 or chapter 33, of title 38, United States Code.
- Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9)) who lives in Alabama while attending a school located in Alabama (regardless of his/her formal State of residence).
- Anyone using transferred Post-9/11 VA Educational Benefits (38 U.S.C. § 3319) who lives in Alabama while attending a school located in Alabama (regardless of his/her formal state of residence) and the transferor is a member of the uniformed service who is serving on active duty.
- Anyone using benefits under the Dependents Education Assistance (DEA) program (38 U.S.C. 3679© (2)(A)) chapter 35 who lives in Alabama while attending a school located in Alabama (regardless of his/her formal State of residence).
- The policy shall be read to be amended as necessary to be compliant with the requirements of 38 U.S.C. 3679© as amended.

ACADEMIC REGULATIONS

ACADEMIC YEAR

Troy University operates on the semester system. Some courses are offered on an accelerated semester schedule/term.

ASSOCIATE DEGREES

Degree Requirements

In order to receive the associate degree, students must complete all course requirements for the degree. An associate degree cannot be declared if a baccalaureate degree has been awarded in the same program.

Credit Hours

The student seeking an associate degree must meet the following requirements:

1. A minimum of 60 semester hours.
2. At least 50% of the degree program must be traditional academic credit (excludes credit by correspondence, challenge exams, CLEP, DSST, Military, ACE, etc.).
3. No more than 25% of the degree may be earned using portfolio-based credit. (See Specialized Curricula-Experiential Learning Credit.)
4. At least 25% of the credit hours required for the degree must be completed in residence with Troy University. See the Academic Evaluation available on Student Planning.
5. Nine semester hours must be completed in residence at Troy University in the major area of concentration. See Residency for additional information.
    - *Note: This does not apply to the Associate of Science in General Education and the Associate of Arts in General Education degree.*

Grade Point Average

1. A candidate for graduation must have an overall institutional average of C (2.0 GPA).
2. A candidate for graduation must have an overall cumulative average of C (2.0 GPA).
3. A candidate for graduation must have an overall average of C (2.0 GPA) in the major
    - *Note: This does not apply to the Associate of Science in General Education and the Associate of Arts in General Education degree.*

Second or Subsequent Associate Degrees

The following policies apply:

1. No more than one Associate of General Education degree may be earned.
2. Credit earned in a concentration or major may be used to meet the requirements of only one associate degree.
3. Credit earned in a concentration or major may not be used retroactively to satisfy the requirements of another associate degree.
4. Only one degree will be conferred on a student for any term/semester.

Requirements

1. Complete the first degree as certified by the Registrar.
2. Declare a new program of study after the first degree has been certified as completed by the Registrar.
3. Earn an additional 15 semester hours in residence in the declared program (see residency credits under residency).
4. File a Graduation Application through Student Self-Service in accordance with the published deadlines.
5. Meet all current requirements for the second or subsequent degree. An associate degree cannot be declared once a baccalaureate degree has been awarded in the same program.

ATTENDANCE POLICY

Students receiving financial assistance are required to attend classes according to the regulations for financial assistance benefits in addition to those regulations required for the course. Faculty members may levy academic penalties upon unexcused absences. However, such penalties for unexcused absences will be a part of each course syllabus and will be distributed to each class at the beginning of the term and a copy filed in the departmental office.

AUDITING A COURSE

A student may audit any Troy University course by indicating audit at the time of registration. No credit will be given, and fees will be assessed based on the audit credit-hour rate. Audit hours are not counted in maximum or minimum load limits. Students are not permitted to change from audit to credit hours after the last day to add a course, or from credit to audit after the last day for dropping a course.

BACCALAUREATE DEGREES

Note: Students earning a degree in the College of Education should refer to the *Education* section for additional requirements.

Degree Requirements

In order to receive the baccalaureate degree, the student must complete all requirements for the degree.

Credit Hours

The student seeking a baccalaureate degree must meet the following requirements:

1. A minimum of 120 semester hours.
2. At least 50% of the degree program must be traditional academic credit (excludes credit by correspondence, challenge exams, CLEP, DSST, Military, ACE, etc.).
3. No more than 25% of the degree may be earned using portfolio-based credit. *See Specialized Curricula-Experiential Learning Credit.*
4. At least 25% of the credit hours required for the degree must be completed in residence with Troy University. (See the Academic Evaluation available on Student Planning.)
5. Twelve semester hours of work in each major field must be completed in residence with Troy University. See *Residency* for additional information.
6. A course may be used to satisfy only one requirement. For example, if the same course is required for both the major and minor selected, it may be used to satisfy only one of these requirements. An additional course or courses must be completed to satisfy the remaining requirement.

Grade Point Average

1. A candidate for graduation must have an overall institutional average of C (2.0 GPA (unless the academic program specifies a higher GPA for licensure or certification purposes-See College Dean) *Example: The School of Education requires a 2.75 GPA for any degree program that must meet TEP requirements. See Teacher Certification for additional Information. Other programs may have a GPA requirement for graduation. See the Dean of the College.*
2. A candidate for graduation must have an overall cumulative average of C (2.0 GPA (unless the academic program specifies a higher GPA for licensure or certification purposes-See College Dean)
3. A candidate for graduation must have an overall average C (2.0 GPA) in each major field (unless the academic program specifies a higher GPA for licensure or certification purposes-See College Dean)

Second or Subsequent Baccalaureate Degrees

In order to earn a second or subsequent baccalaureate degree, a student must:

1. Complete the first degree as certified by the Registrar.
2. Declare a new program of study after the first degree has been certified as completed by the Registrar.
3. Earn an additional 30 semester hours in residence in the declared program (*see residency credit*).
4. Earn a minimum of 12 semester hours (beyond the previously earned degree) in the major field.
5. File a Graduation Application through Student Self-Service in accordance with the published deadlines.
6. Meet all current requirements for the second or subsequent degree.
7. A course may be used to satisfy only one requirement. For example, if the same course is required for both the major and minor selected, it may be used to satisfy only one of those requirements. An additional course or courses must be completed to satisfy the remaining requirement.
8. Only one degree will be conferred on a student for any term/semester.

Students With a Completed Associate of Science/Arts Degree

Completion of an AA/AS degree from a regionally accredited institution will complete the General Studies Program (GSP) requirements at Troy University except for those major-required courses within the GSP.

The following requirements will also apply to any completed AA/AS degree:

- Students must complete ENG 1102 or its equivalent
- Student must complete a General Studies math class (MTH 1110, MTH 1112, STAT 2210 or equivalent)
- Student must complete at least thirty (30) hours in traditional credit within the AA/AS degree or take remaining hours from Troy University to reach these 30 hours
- These 30 hours will be determined following a review by the student's advisor, the University Registrar (or designee) and the Dean of Undergraduate Studies. Recommended classes to complete the 30 hours would be taken from the following list if possible:
    - Literature
    - History
    - Science/Lab
    - Social Science

Students With a Completed Bachelor's Degree

Some or all General Studies requirements may be waived for the TROY **bachelor** degree programs for students who have earned a previous bachelor's degree **in transfer** from a regionally accredited institution provided the General Studies courses are not direct prerequisites for courses needed at TROY for the selected degree program or are not directly specified for the student's major/program. Regardless of any waived coursework, all residency requirements for TROY (minimum 25% of degree hours) and in the major/concentration area (minimum 12 hours) must still be met. In general, completion of the previous bachelor's degree will fulfill the General Studies Program, Areas I-IV as well as TROY 1101 in Area V, with the exception of any major-specific courses/prerequisite courses in Areas I-IV. All requests for waivers must be communicated to the appropriate Troy University Campus Registrar prior to beginning any Troy University course work toward this bachelor's degree.

Award of Posthumous Degree

Troy University may confer posthumous baccalaureate and graduate degrees upon students who are deceased prior to but nearing formal completion of all degree requirements of the program being pursued. This award procedure is not automatic and begins upon the request of the family or department with support of the family.

A. **Eligibility**

To be eligible for the award of a Troy University degree posthumously, the student generally must have met the following conditions:

1. Baccalaureate Degree:
    - Must have completed 75% of the coursework towards the degree.
    - Must be in good academic standing at the time of death with no disciplinary actions pending.
    - A written request must be made by an immediate family member to the Office of the Associate Provost, Dean of Undergraduate Studies within two years of the last term/semester attended.

B. **Approval Process**

1. An immediate family member of the deceased student must request the posthumous degree in writing to the Associate Provost and Dean of Undergraduate Studies.
2. Once received, the Office of the Registrar will be notified. The Registrar or designee will verify that the student has completed 75% of the required coursework and that the student was in good standing at the time of death.
3. The Associate Provost and Dean of Undergraduate Studies will then submit a memo with a recommendation and the transcript to the Senior Vice Chancellor of Academic Affairs.
4. The Senior Vice Chancellor of Academic Affairs will then give a recommendation to the Chancellor. Only the Chancellor can award a posthumous degree.

C. **Awarding the Posthumous Degree**

Upon approval by the Chancellor, the following procedure will be following:

1. The Records Office/Graduation Center will be notified that the degree has been approved for award. The posthumous nature of the award will be indicated on the diploma, the student's record, and in the next commencement program.
2. The family of the deceased student will be notified and the diploma will be presented to the family. The family may elect to have the diploma and letter mailed or to

receive the diploma in a private ceremony on the Troy campus.

D. **Exceptions to policy**
If the above eligibility criteria are not met, consideration may be granted based on the specifics of the request. The process will remain the same with additional information provided by the Associate Provost to the Senior Vice Chancellor for Academic Affairs.

Institutional Assessment of Student Academic Performance
Troy University is committed to the continual improvement of its educational programs. The University periodically conducts assessments of student outcomes; therefore, a student can expect to participate in academic outcomes assessment activities during his or her time of enrollment.

CLASS SECTION CANCELLATION

The institution reserves the right to cancel any class section due to insufficient enrollment.

CLASSIFICATION

Hours Earned	*Classification*
Less than 30	Freshman
30-59	Sophomore
60-89	Junior
90 or more	Senior

GOOD ACADEMIC STANDING

A student is considered in Good Standing when the overall cumulative GPA is 2.00 or greater

CREDIT DEFINITIONS

Regular Credits
College credits are expressed in semester hours or credit hours.

Credit Hour Equivalency

1. One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately 15 weeks (does not include final exam time) for one semester or the equivalent amount of work over a different amount of time; or
2. 50 minutes of classroom instruction plus additional out of class work (the general expectation is two hours) for 15 weeks is the basis for a credit hour; or
3. a minimum of 2,250 minutes per three semester hour course of instruction, which does not include final exam time; or
4. an amount of work represented in intended learning outcomes that are at least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Laboratory Credits
Two hours of laboratory work are usually accepted as the equivalent of one hour of regular class work. The actual number of hours is determined in order to satisfy the course objectives.

Credit by Examination
Credit is allowed for CLEP, General and Subject Examinations, the Advanced Placement program, IB, GCE-A/AS, and DSST examinations as approved by the Academic Council and department chairs. The number of credits allowed for satisfactory performance on the general examinations may be reduced by the amount of credit the student has previously earned in the subject matter areas covered by the examinations.

Some departments of the University have developed challenge examinations in areas which, with approval of the Academic Council, can be used in lieu of certain required courses. Consult the appropriate department chairs for additional information.

Experiential Credit
Troy University recognizes that learning equivalent to the college level can occur outside the formal structure of accredited colleges and universities. Policies and procedures have been established for the assessment of this learning based upon the "Principles of Good Practice in Assessing Experiential Learning" recommended by the Council for the Adult and Experiential Learning (CAEL).

In addition, credit as recommended by the American Council on Education may be granted for learning acquired through military, industrial, or regionally accredited technical school training programs where the learning is applicable to the student's degree program. Experiential credit is considered non-traditional credit.

Provisional Credit
If a student meets regular admission standards and has earned college level courses at an unaccredited institution of higher learning, the student may be given provisional credit. However, the credits will not be considered for acceptance until the student has completed 24 credit hours with a cumulative GPA of 2.0 or better at Troy University. Credits will be reviewed by the Dean of the Discipline and the Record's Office. A determination will be made based on (1) the unaccredited institution's affiliation with the Commission for Higher Education Accreditation; and/or (2) acceptance of credit by at least three other accredited institutions located in the area of the unaccredited institution.

Transfer Credit
Transfer credit is defined as college credit that was earned at a regionally accredited institution and is transferable and accepted for credit toward degree programs at Troy University, and credit recommended by the American Council on Education.

In addition, credit as recommended by the American Council on Education may be granted for learning acquired through military, industrial, or regionally accredited technical school training programs where the learning is applicable to the student's degree program.

See the *Admissions* chapter of this catalog for more information regarding transfer credit

Transient Credit
A currently enrolled student who wishes to study at another institution for a term should consult with the Record's Office concerning procedures and required approvals. Any courses taken by a student after the initial registration with Troy University must have prior approval by the University and department, and transient hours must be included with the student's semester load for load-limit purposes. If a student takes coursework at another institution without proper transient authorization, the University reserves the right to deny credit for these courses. No more than six semester

hours of credit may be taken as Transient after the last term of enrollment with Troy University.

COURSE SEQUENCES

In general, students should take all required courses in their plan of study in the appropriate numeric sequence when possible, unless otherwise stated in this catalog or by the student's assigned academic advisor. Courses and programs that have prerequisite requirements must not be attempted until the necessary prerequisites have been satisfactorily met.

Advanced Courses

Advanced courses are courses at the sophomore level or above.

Upper level courses

Upper level courses are courses at the junior level or above.

Numeric course sequencing

- 0090 sequence: Developmental/remedial courses (*do not count toward degree requirements*)
- 1100 sequence: Freshman level (*exceptions noted in course descriptions as related to developmental/remedial course work*)
- 2200 sequence: Sophomore level
- 3300 sequence: Junior level
- 4400 sequence: Senior level
- 5500 sequence: Graduate courses (*open to seniors by permission*)
- 6600 sequence: Graduate students only
- 7700 sequence: Education Specialist students only
- 8800 sequence: Graduate students only-doctoral level

CREDIT LOAD CALCULATION

Definitions

- A "semester" is defined for hour limit purposes as 16 weeks of class meetings.
- A "term" is defined for hour limit purposes as up to a nine week period of class meetings

Fall, Spring, and Accelerated Semesters/Terms

- Minimum Full-Time Undergraduate Load: 12 semester hours (six semester hours for accelerated semester/term schedules).
- Maximum: 18 semester hours (10 semester hours for accelerated semester/term).
- Overload: 19-21 semester hours (11-13 semester hours for accelerated semester/term schedules). Credit overload requires unconditional admission status, a minimum institutional GPA of 3.5, recommendation from the student's academic adviser, and signature of the dean or designee. Undeclared majors requesting an overload must have the signature of the Associate Provost/Dean of Undergraduate Studies or designee.
- Students on academic probation: Limited to 13 semester hours (seven semester hours for accelerated semester/term schedules)

Summer Semesters (Alabama Campuses)

- Minimum Full Time Undergraduate Load: 9 to 12 semester hours (over the entire summer). Students are advised that full-time status for federal financial assistance is 12 semester hours.
- Maximum: 13 semester hours
- Overload: 14-15 semester hours. Credit overload requires unconditional admission status, a minimum institutional GPA of 3.5, recommendation from the student's academic adviser, and signature of the dean or designee. Undeclared majors requesting an overload require the signature of the Associate Provost/Dean of Undergraduate Studies or designee.
- Students on Academic Probation: Limited to 10 semester hours.

Important note regarding concurrent enrollment:

Within the beginning and ending dates of a fall or spring semester, concurrent enrollment in the semester and any term(s) may not exceed 24 hours. Enrollment in more than 18 hours for a semester or 10 hours for a term requires a student to meet the University policy for an overload. The semester block of time includes all transient credit approved for the student as well. Concurrent enrollment in the summer semester and any term(s) may not exceed 13 hours. Enrollment in more than 13 hours requires a student to meet the University policy for an overload.

The maximum number of overload hours for any fall or spring semester block of time is 18. The maximum number of **overload hours** *for any fall or spring semester block of time is 24. Students will not be permitted to enroll in more than 24 total hours in a semester block of time. Students will not be permitted to register for more than 21 hours in semester classes. Students will not be permitted to register for more than 13 hours of term classes. All overload requests must meet the criteria identified above.*

DROP

A student who wishes to reduce, but not entirely eliminate, his or her credit load may drop a course. Students may drop a course or courses online via Student Planning, or submit a request in the Record's Office.

The last day to drop a course will be assigned for each term, session or semester based on 65% completion of the length of the course. Dates will be published in the Academic Records web page (my.troy.edu/records). The 65% rule also applies to international teaching locations.

From Early Registration through Late Registration-Free Course Schedule Adjustment Period

Students may drop a course or courses during the Free Course Schedule Adjustment Period. Tuition and refundable fees will be returned.

From the end of Late Registration (Free Course Schedule Adjustment Period) through the last day to Drop

A non-punitive grade of DR will be assigned up until the last day to drop, as posted in the Schedule of Classes and on appropriate web pages. **Students may not drop after the deadline**. Any student who fails to do so will be assigned a grade. Extenuating circumstances such as military deployment must be properly documented before an exception will be considered.

GRADE APPEALS

Faculty members have the authority to grade student work and to assign grades, these are academic judgments. A faculty member's syllabus enumerates student academic performance expectations and consequences. Faculty members render academic judgments

when a student's academic performance violates established standards or fails to meet stated expectations. Academic judgments, made by faculty, are based on academic content, course requirements, and student performance. Students may not appeal grades based on allegations concerning the competence of a faculty member, the fairness of examinations, the difficulty of a course, or other matters of a purely academic nature. Grades for individual assignments and exams may not be appealed. While it is recognized that faculty hold the right and responsibility to grant a grade, a student who receives a course grade that he or she believes to be unwarranted for reasons other than those listed above may appeal that grade using these stated procedures:

Step 1. Within the first four weeks of the start of the following term or semester in which the grade is received, the student shall have informally appealed the grade to the instructor. If that instructor is not teaching at Troy University during the term following issuance of the grade, the student will make contact with the instructor through the department chair to informally appeal the grade. In the case of a course taught through TROY Online, students should contact their home campus or site to determine the person designated by the appropriate college dean to assist the students with their appeals.

Step 2. If the issue is not resolved at this informal level and the student wishes to pursue the appeal, the student shall request in writing a meeting with the respective department chair. This request shall be addressed to the department chair and shall be received no later than the end of the fifth week of instruction for the term or semester following issuance of the grade. The request must summarize the student's complaint and the student's informal appeal to the instructor. In the case of a course taught through TROY Online, students should contact their home campus or site to determine the person designated by the appropriate college dean to assist the students with their appeals.

Step 3. Within two weeks of receipt of the request, the department chair shall discuss the appeal with the student and with the instructor, separately or at the same time. If the department chair upholds the decision, the matter is closed. The decision is final.

Step 4. If the department chair does not support the decision of the instructor, the matter shall be appealed within two weeks of the department chair's decision to the designated associate dean or dean of the college. The department chair will forward the appeal package to the designated associate dean or dean. The designated associate dean or dean will empanel three full-time faculty colleagues from the department and/or discipline to review the matter. *The decision of this panel shall be final and binding on all parties.*

Note: Students may not use this procedure to appeal grades resulting from violations of academic honesty. Students should refer to the *Oracle*, the University's official student handbook, for those appeals.

GRADE POINT AVERAGE (GPA)

The grade point average is computed by dividing the number of credit hours attempted into the total number of grade points earned. The official transcript displays two GPA types: (1) The institutional GPA is based on hours attempted with Troy University only; (2) the Cumulative GPA is based on hours attempted with Troy University and transfer institutions.

GRADING SYSTEM

Grade	Description	Credit	Grade points per credit hour	Calculates in GPA
A	Excellent	Yes	4	Yes
B	Above Average	Yes	3	Yes
C	Average	Yes	2	Yes
D	Below Average	Yes	1	Yes
F	Failure	No	0	Yes
AU	Audit	No	0	No
DR	Dropped course prior to the published deadline	No	0	No
FA	Did not attend any classes	No	0	Yes
I	Incomplete	No	0	No
FI	Course requirements not completed by end of time limit for course assigned an Incomplete. Assigned by registrar. (*Same as F*)	No	0	Yes
NG	No grade reported by faculty at end of term (assigned by Registrar)	No	0	No
P	Pass	Yes	0	No
W	Withdrawal prior to the published deadline	No	0	No

GRADUATION

Students must complete degree requirements within eight years after first entering Troy University or student will be moved to the current catalog. Students not attending Troy University for two consecutive calendar years must meet all degree requirements of the current Catalog at the time of readmission.

Filing for Graduation

A Graduation Application must be filed according to the published dates.

Degree Plans/Academic Evaluations

Academic evaluations are available to students online through the Student Planning module. However, evaluations are not considered official unless issued by or stamped by an academic evaluator or designated representative of the University Registrar's office. Notation of this official review can be found under the "Show Program Notes" section of Student Planning/My Progress.

HONORS AND AWARDS

Chancellor's Honor List

Full-time undergraduate students who are registered for 12 semester hours and who earn a grade point average of 4.00 qualify for the Chancellor's List, which is published at the end of each term. A Troy University part-time student who earns a 4.00 grade point average on 12 consecutive semester hours of credit will also be named on the Chancellor's List.

Provost's Honor List

Full-time undergraduate students who are registered for 12 semester hours and who have a grade point average of 3.65 or higher qualify for the Provost's List, which is published at the end of each term. A Troy University part-time student who averages 3.65 or higher on 12 consecutive semester hours of credit will also be named on the Provost's List.

Graduation with Honors

To be eligible for graduation honors, students must have earned a minimum of 30 semester hours of non-pass/fail work at Troy University prior to their final registration. Honors will be calculated based on the average of all hours attempted at Troy University and transfer credit, excluding any remedial courses.

Please note: Due to the unavailability of grades for the final semester during the time commencement programs are printed, honors designations are based on the grade point average earned through the previous academic term. Final academic honor designations are determined after grades have been posted. Final, official honor designations will be printed on the transcripts. Diplomas will be reprinted for students whose last term alters the honors designation.

Undergraduate honor students are awarded differentiated diplomas as follows:

- Cum Laude: Grade point average of 3.40
- Magna Cum Laude: Grade point average of 3.60
- Summa Cum Laude: Grade point average of 3.80

INCLEMENT WEATHER AND EMERGENCY SITUATIONS

Both faculty and students are responsible for meeting all assigned classes. In the event of inclement weather, faculty and students will be expected to attend classes as usual as long as they may do so without risking peril to themselves or to others. During periods of inclement weather, faculty and students will not be penalized for absences dictated by perilous conditions. In severe cases of inclement weather or other emergency conditions, each campus or site will announce cancellation of classes through local and regional media as well as through the University's website.

As part of Troy University's efforts to provide accurate, timely information to our University community, the SOS communication system delivers emergency notices to a variety of electronic devices. To subscribe to SOS visit the SOS- Emergency Information web page at http://my.troy.edu.

INCOMPLETE GRADE

This incomplete grade policy replaces all other incomplete grade policies as of August 9, 2012.

If a student is unable to complete all course grading requirements, the student may be eligible to request the assignment of an incomplete grade. An incomplete grade is not automatically assigned by the instructor, but must be requested by the student and approved by the instructor. The decision to approve or reject a student's request for an incomplete grade is at the discretion of the instructor using the following criteria:

- Student submits a completed **"Petition for an Incomplete Grade"** form prior to assignment of a course grade.
- Student's progress in the course is deemed satisfactory.
- Student is passing the course when the request is made.
- The circumstances that prevented the student's completion of course requirements are beyond the student's control, and adequate documentation is provided.

Time limit for removal of incomplete grade

Any student who receives an "I" must adhere to the deadlines set by the instructor for when required assignments must be received. The deadline must not exceed 9 weeks from the date of the end of the term that the "I" was awarded. All set deadlines apply whether or not the student enrolls for the semester or term following the assignment of the incomplete grade. Work received on or before the instructor set deadlines will be graded and computed into the final course grade. The instructor will submit a **"Change of Grade"** form to the registrar on or before the last day to remove an Incomplete from the previous semester or term published in the University's master calendar. Student assignments not received by instructor deadlines will not be graded and a "Change of Grade" form will not be submitted. If a "Change of Grade" form is not submitted by the appropriate time, the "I" will automatically be converted to an "FI". An "FI" is calculated as an "F" when determining grade point average.

PLACEMENT IN ACADEMIC COURSES

A student may be placed in an advanced section of a given subject area if the student's record indicates a high degree of achievement or if it indicates the student has successfully completed studies that should not be duplicated. Troy University does not accept placement exemptions granted by other institutions. Students are allowed one subsequent retest in both Math and English after their initial attempt at placement testing. Students must wait a minimum of 30 days before being allowed to retest. Any placement exams taken within the 30 day wait period will not be accepted. All placement test scores must be less than three (3) years old to be accepted by Troy University. For more information, students should consult their academic advisers and/or their respective academic departments.

- ACT (English): with ACT (English) score of 30-34, student will receive three hours credit for ENG 1101.
- ACT (English): with ACT (English) score of 35-36, student will receive six hours credit for ENG 1101 and ENG 1102.
- SAT (Verbal): with SAT (Verbal) score of 680-710 or new
- SAT 720-740, student will receive three hours credit for ENG 1101.
- SAT (Verbal): with SAT (Verbal) score of at least 720 or new SAT 750, student will receive six hours credit for ENG 1101 and ENG 1102.

READMISSION

Former Students in Good Standing:

a. Students in academic good standing with the University who have not been enrolled for two years (from the last term/semester for which grades were received) must submit a new application for admission. (www.troy.edu/applications-admissions)

b. Former TROY students who enrolled at another institution since their last term/semester of enrollment must submit a new application for admission. Transcripts from that institution(s) must also be submitted.

c. Students who have not received a grade at TROY within two years and have not attended another institution must contact the Office of Admissions at 1- 800-414-5756 for further guidance on registering for classes

Students Suspended from Troy University
Students who have been suspended from Troy University must apply for readmission and may be readmitted under probation after serving suspension. However, students may appeal to the Senior Vice Chancellor of Academic Affairs or designee for readmission under certain mitigating circumstances to avoid suspension. Appeal forms are available in the Registrar's Office.

Academic Bankruptcy
Undergraduate students who are returning to the university following an absence of three years or more have the opportunity to petition for an Academic Bankruptcy of one academic reporting term if the appropriate criteria are met.

Eligibility
Student must be eligible for enrollment at the time a petition for Academic Bankruptcy is filed.
Student must be absent from TROY a minimum of 3 consecutive years to qualify.
Student must have a term GPA of 1.75 or lower in the requested term.

Application of Academic Bankruptcy Terms/Limitations
- Complete term forgiveness may be applied only one time during the student's academic career at Troy University.
- The application of the academic bankruptcy will apply to ALL coursework in the bankrupted term. (Credit attempted or earned for ALL courses within the term will display as zero credits, regardless of awarded grade.)
- Term for bankruptcy consideration can be up to one "Reporting Term."
- **Two Accelerated** Terms and/or the corresponding **Traditional Semester**
- Academic bankruptcy can only apply to undergraduate coursework.
- An academic bankruptcy cannot be applied once a baccalaureate degree is earned.
- Transfer and placement credits are not eligible for academic bankruptcy.
- No financial forgiveness will apply. No financial obligation will be lifted or refunded. Money owed will still be owed.
- If Business office hold is in place, it must be cleared prior to any Academic Bankruptcy forgiveness request is considered.
- If Academic Bankruptcy is approved, registration upon enrollment will require advisement through one of TROY's assigned Centers for Student Success.

For any additional questions, you may contact the University Registrar's Office.

REGISTRATION

Students should register during designated registration times. Once students have registered for a course or courses, they have incurred a financial commitment which must be met. Students can pay their tuition online by accessing the View Account and Make Payments tab in Self Service.

Students must be registered for all classes prior to attendance in these classes. If a student's name does not appear on a class roster, they may not sit in or otherwise attend the course.
Students who fail to attend a class without following drop/withdrawal policies will receive a grade of "FA" and still be charged full tuition and fees. Students with an outstanding balance will not be permitted to register for future terms.

Registration in Special Programs

1. ***Contract Program***
   Entering students who do not find a stated program which meets their specific needs should consult the department chair to discuss the possibility of a contract program, which normally consists of at least 30 hours of a regular academic major and 36 hours of agreed upon electives that contribute to the student's program of study, not to exceed 77 semester hours. All General Studies requirements must be met. See the appropriate department chair for additional information.
   - **Contract Minor** - Students in certain programs and/or with a significant amount of transfer credit in an area of study not offered by TROY may consult their advisor and/or department chair to discuss the possibility of a contract minor, which normally consists of at least 18sh in a related field.
2. ***Accelerated Study for Superior Students***
   This opportunity permits enrollment in an accelerated or broadened program through registration for credit hours above the normal load. For specific credit loads permitted, see *Credit Load*.
3. ***Independent Study and Research***
   This program consists of several special study and research courses. Guided Independent Research, Guided Independent Study, and Honors Independent Study are offered in various departments.
   Guided Independent Research (course numbers 4491 and 4492, one to three credit hours per course): Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Prerequisite: Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. A written request must be submitted to the department chair at least two weeks in advance of the term the research is to be undertaken; application forms are available through myTroy - Forms. Guided Independent Research may be taken only in the applicant's major or minor field.
   Guided Independent Study (course numbers 4493 and 4494, one to three credit hours per course): Supervised study through internship, field or laboratory projects, guided readings, creative endeavors, or achievement in specific skills. Prerequisite: Junior or senior standing, permission of guiding professor, approval of the department chair and dean. A written request must be submitted to the department chair at least two weeks in advance of the term in which the study is to be undertaken; application forms are available in the Registrar's Office.
   Honors Independent Study (course number 4498, one to three credit hours per course).
4. ***Non-Traditional Study***
   See Credit by Examination and *Experimental Credit*
5. ***Off-Campus Courses***
   Courses offered to groups of a minimum of 20 students, prepared on demand with approval of the provost. Students admitted to a Troy University off-campus course will be admitted on a conditional basis and must earn a minimum of 20 semester hours with a grade point average of 2.0 or better to be admitted as a regular student to the campus.
6. ***Language Courses***
   International students are not permitted to enroll in language courses for credit in their native language. This

policy ensures that language courses serve their intended purpose of providing students with the opportunity to learn and develop proficiency in a new language.

REPETITION OF COURSES

Troy University courses may be repeated once for grade forgiveness, if the course is repeated at Troy University. Only the first grade earned for a course may be forgiven (not calculated in the GPA). The grades of courses repeated more than once will be calculated in the GPA. If the course being repeated is required for the program, then the last grade for that course must meet the program requirements.

RESIDENCY

Residency Credits

Effective Fall 2005, credit taken through any Troy University location will be counted as residency credit for graduation.

Residency Requirements

A candidate for graduation must have attended Troy University for at least two semesters and must have earned at least 25% of the degree in residence. This may include the semester in which graduation is scheduled. Certain exceptions may apply to RN-to-BSN students. These students should contact the Registrar for further information.

Any Troy University course for credit counts toward residency (excluding developmental/remedial courses and institutional credit English as a Second Language [ESL] courses).

RESPONSIBILITY

It is the responsibility of every student to follow the standards and expectations contained in this catalog, as well as those in the student handbook, *The Oracle*. Failure to follow these standards and expectations may adversely affect student success and academic progress as well as their standing within the University.

RETENTION

Conditionally Admitted Students

These students must earn a 2.0 or higher grade point average on the first 24 semester hours attempted or they will be dropped from program.

Unconditionally Admitted Students

Probation

A student must earn or maintain a 2.0 grade point average or higher or will be placed on probation for one semester/term. A student on probation is limited to 13 semester hours (seven semester hours for accelerated terms) and must earn a minimum of a 2.0 grade point average each subsequent term until the overall (i.e. institutional or cumulative) grade point average reaches the 2.0 level.

Suspension

A student on probation who fails to earn a term grade point average of 2.0 or higher will be suspended. A student's first academic suspension will be for one semester/term; the second suspension will be for two semesters/terms; and a third suspension will be for an indefinite period.

Suspension Period Regulations: Courses completed at any institution during a suspension period will not be accepted for credit. Students placed on indefinite suspension may petition for readmission following a period of 12 months.

Readmission after Suspension

A student returning from academic suspension will be readmitted on probation. A student must earn or maintain a 2.0 average or higher while on probation. A student on probation is limited to 13 semester hours (seven semester hours for accelerated terms) and must earn a minimum of a 2.0 average each subsequent term until the overall grade point average reaches the 2.0 level. Failure to meet the 2.0 term/semester GPA requirement will result in further suspension. Suspension from all other colleges will be honored, including all Troy University locations.

WITHDRAWAL

Also see "Drop."

Withdrawal from the University is defined as a removal or withdrawal from all courses for the current semester and/or term. The student is no longer enrolled in any course(s).

The last day to withdraw will be assigned for each term or semester based on 65% completion of the length of the course. Dates will be published in the Schedule of Classes and on the Academic Records web page (my.troy.edu/records). The 65% rule also applies to international teaching locations.

From Early Registration through Late Registration-Free Schedule Course Adjustment Period

Students who wish to withdraw from all classes prior to the last day of late registration must CANCEL their registration in writing through the Designated Withdrawal Officer (DWO) listed on the Academic Records web page (www.troy.edu/academics/academic-resources/records-office). Written cancellation does not require the completion of the withdrawal form or an exit interview. Tuition and refundable fees will be returned.

From end of Late Registration (Free Course Schedule Adjustment Period) through the last day to Drop

A student who wishes to withdraw from all courses for a current semester/term may withdraw without academic penalty with a non-punitive grade of **W** until the last day to withdraw (posted in the Schedule of Classes and on appropriate web pages). Tuition and refundable fees **will be** charged during this period.

Students may not withdraw via Student Planning. An official withdrawal form must be completed and processed before the student's withdrawal is considered final. The form may be accessed at http://my.troy.edu/records/.

Students may not withdraw after the withdrawal deadline. Any student who fails to withdraw by the deadline will be assigned a letter grade (check with the Financial Aid department to determine how financial aid is calculated prior to withdrawing).
Extenuating circumstances such as military deployment must be properly documented before an exception can be considered.

DANTES SUBJECT STANDARDIZED TEST (DSST)

ELIGIBILITY FOR CREDIT: Troy University will grant appropriate credit for acceptable scores on DSST Exams listed on this chart. Acceptable scores are based on ACE recommended scores which are subject to change without notice.

STUDENTS MUST WAIT 90 DAYS (3 MONTHS) BEFORE RETAKING THE SAME DSST EXAM

Test Title	Test Form Number	Credit Hours	Course	Ace Recommended/Troy Required Score
A History of the Vietnam War	SG/SH/SL/SM 473	3	HIS 4431	44/400
Art of the Western World	SE/SF/461	3	ART 1133	48/400
Astronomy	SF/SG/SH/SL 500	3	ELECTIVE	48/400
Business Ethics and Society	SI/SO 475	3	Area II GS Humanities	400
Business Law II	SF/SH 534	3	ELECTIVE	44/400
		RETIRED-NO LONGER AVAILABLE AS OF 12-31-2014		
Business Mathematics	SF/SG/SH/SL 812	3	ELECTIVE	48/400
Computing and Information Technology	SG/SH/SL/SM 536	3	ELECTIVE	45/400
Criminal Justice	SF/SG/SH/SL 498	3	CJ 1101	49/400
Environmental Science	SF/SG/SH/SL 511	3	BIO 1120	46/400
Ethics in America	SF/SG/SH/SM 474	3	PHI 2204	46/400
Ethics in Technology	SQ/SR 302	3	ELECTIVE	400
Foundations of Education	SE/SF/SG/SH 489	3	ELECTIVE	46/400
Fundamentals of Counseling	SG/SH/SL/SM 562	3	PSY 4402	45/400
Fundamentals of Cyber Security	SQ/SR/SY/SZ013	3	CS 3334	400
General Anthropology	SF/SG 494	3	ANT 2200	47/400
Health and Human Development	SF/SG/SH/SL 508	3	ELECTIVE	48/400
History of the Soviet Union	SF/SG/SH/SL 471	3	HIS 4433	45/400
Human Cultural Geography	SF/SG/SH/SL 470	3	GEO 2210	48/400
		RETIRED-NO LONGER AVAIABLE AS OF 7-31-18		
Human Resource Management	SG/SH/SL/SM 530	3	HRM 3375	46/400
Introduction to Business	SE/SF/SG/SH 543	3	BUS 1101	46/400
Introduction to Geology (no lab credit)	SQ/SR 303	3	ELECTIVE	400
Introduction to Geography	SQ/SR/SY 304	3	GEO 2210	400

Test Title	Test Form Number	Credit Hours	Course	Ace Recommended/Troy Required Score
Introduction to Law Enforcement	SG/SH/SL/SM 497	3	CJ 2221	45/400
Intro to World Religions	SF/SG/SH/SL 496	3	REL 2280	48/400
Fundamentals of College Algebra	SQ/SR/SY/SZ 424	3	MTH 1112	400
Introduction to the Modern Middle East	SF/SG/SH/SL 469	3	HIS 3356	47/400
		RETIRED-NO LONGER AVAILABLE OF 12/31/2014		
Lifespan Developmental Psychology	SF/SG/SH/SL 490	3	PSY 2210	46/400
Management Information Systems	SE/SF/SG/SH 551		ELECTIVE	46/400
Math for Liberal Arts	SQ/SR/SY/SZ 300	3	MTH 1110	400
Money and Banking	SG/SH/SL/SM 548	3	ECO 3353	48/400
Organizational Behavior	SF/SG/SH/SL 531	3	MGT 4472	48/400
Personal Finance	SE/SF/SG/SH 550	3	Area IV GS Social Science	46/400
Physical Geology	SF/SG/SH/SL 519	3	SCI 2234	46/400
		RETIRED-NO LONGER AVAILABLE AS OF 12-31-2014		
Principles of Advanced English Composition	SQ/SR/SY/SZ 301	3	ENG 1101	400
Principles of Finance	SF/SG/SH/SL 524	3	ELECTIVE	46/400
Principles of Financial Accounting	SG/SH/SL/SM 525	3	ACT 2291	47/400
		RETIRED - NO LONGER AVAILABLE AS OF 12-31-2014		
Principles of Physical Science I	SE/SF/SG/SH 512	3	SCI 2233	47/400
		RETIRED-NO LONGER AVAILABLE AS OF 7-31-2018		
Principles of Public Speaking	SE/SF/SG/SH 815	3	Area II GS Humanities	47/400
Principles of Statistics	SF/SH/SL/SM 450	3	QM 2241	48/400
Principles of Supervision	SE/SF/SG/SH 532	3	ELECTIVE	46/400
Substance Abuse	SE/SF/SG/SH 495	3	ELECTIVE	49/400
Technical Writing	SF/SG/SH/SL 820	3	ENG 2260	46/400
The Civil War & Reconstruction	SE/SF/SG/SH 483	3	HIS 4413	47/400
Western Europe Since 1945	SF/SG/SH/SL 465	3	HIS 4403	45/400
		RETIRED-NO LONGER AVAILABLE AS OF 12-31-2014		

COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

Troy University accepts a variety of CLEP exams. Students must meet the required score in effect as of the date of the exam. CLEP Exams cannot be taken, or credit given, for a course in which credit has already been successfully completed. For additional information, please contact the campus coordinator of testing or campus Records Office.

CLEP Exam Title	Troy University Course(s)	Hours	Required Score
American Government	POL 2241	3	50
American Literature	ENG 2211	3	50
Analyzing and Interpreting Literature	Free Elective	3	50
Biology	BIO 1100 and BIO 1101 (NO LAB CREDIT)	6	50
Calculus	MTH 1125	4	50
Chemistry	CHM 1142/L142 and 1143/L143	8	50
College Algebra	MTH 1112	3	50
College Composition (NOT modular version)	ENG 1101 and 1102	6	50
College Mathematics	Free Elective	3	50
English Literature	ENG 2205 or ENG 2206	3	50
Financial Accounting	ACT 2291	3	50
French Language	FRN 1101 and 1102	6	50
German Language	GER 1121 and 1122	6	50
History of the United States I	HIS 1111	3	50
History of the United States II	HIS 1112	3	50
Human Growth and Development	Free Elective	3	50
Humanities - General	General Studies Area II-Fine Arts Course	3	50
Information Systems	IS 2241 or Free Elective only for Business Majors	3	50
Introduction to Educational Psychology	Free Elective	3	50
Introductory Business Law	Free Elective	3	50
Introductory Psychology	PSY 2200	3	50
Introductory Sociology	SOC 2275	3	50
Natural Sciences - General	BIO 1100/L100 and SCI 2233/L233	8	50
Pre-Calculus	MTH 1114	3	50
Principles of Macroeconomics	ECO 2251	3	50
Principles of Management	MGT 3300	3	50
Principles of Marketing	MKT 3300	3	50
Principles of Microeconomics	ECO 2252	3	50
Social Science and History-General	Area IV-General studies social science elective and unspecified free elective	6	50
Spanish Language	SPN 1141 and 1142	6	50
Western Civilization I	HIS 1101	3	50
Western Civilization II	HIS 1102	3	50

ADVANCED PLACEMENT (AP)

Troy University accepts a variety of Advanced Placement (AP) exams. Students must have official score reports sent directly to Troy University, 100 University Park, Troy, AL 36082. Credit is reviewed/evaluated upon receipt of official scores.

AP Exam Title	(Minimum Score Req. = 3)		(Advanced Score Req. = 4 or higher)	
	TROY Course(s)	Credit	TROY Course(s) (AP Transfer ONLY) (Applicable as Honors Credit)	Credit
Art History	ART 1133 or ART 2250	3	ART 1133H or ART 2250H	3
Biology	BIO 1100/L100	4	BIO 1100H/L100H	4
Calculus AB	MTH 1125	4	MTH 1125H	4
Calculus BC	MTH 1125 and MTH 1126	8	MTH 1125H and MTH 1126H	8
Chemistry	CHM 1142/L142 and CHM 1143/L143	8	CHM 1142H/L142H and CHM 1143H/L143H	8
Chinese Language and Culture	CHI 1101	3	CHI 1101H and CHI 1102H	6
Comparative Government	TROY ELEC	3	TROY ELECH	3
Computer Science A	CS 3360	3	CS 3360H	3
Computer Science Principles	CS 3310	3	CS 3310H	3
English Language Composition	ENG 1101	3	ENG 1101H	3
English Literature Composition	ENG 1101	3	ENG 1101H	3
English Language Composition **AND** English Literature Composition	ENG 1101 and ENG 1102	6	ENG 1101H and ENG 1102H	6
Environmental Science	BIO 1120 & L120	4	BIO 1120H and L120H	4
European History	HIS 1101	3	HIS 1101H and HIS 1102H	6
French Language & Culture	FRN 1101 and FRN 1102	6	FRN 1101H and FRN 1102H	6
German Language & Culture	GER 1121 and GER 1122	6	GER 1121H and GER 1122H	6
Human Geography	GEO 3301	3	GEO 3301H	3
Italian Language & Culture	General Studies Area II Humanities	6	General Studies Area II Humanities Honors	6
Japanese Language & Culture	General Studies Area II Humanities	6	General Studies Area II Humanities Honors	6
Latin	LAT 1131 and LAT 1132	6	LAT 1131H and LAT 1132H	6
Macroeconomics	ECO 2251	3	ECO 2251H	3
Microeconomics	ECO 2252	3	ECO 2252H	3
Music Listening (Inactivated)	MUS 1131	3	MUS 1131H	3
Music Theory	MUS 1102 and MUS 1103	6	MUS 1102H and MUS 1103H	6
Physics 1 : Algebra-Based	PHY 2252 and PHY L252	4	PHY 2252H and PHY L252H	4
Physics 2 : Algebra-Based	PHY 2253 and PHY L253	4	PHY 2253H and PHY L253H	4
Physics C : Mechanics	PHY 2262 and PHY L262	4	PHY 2262H and PHY L262H	4
Physics C : Electricity and Magnetism	PHY 2263 and PHY L263	4	PHY 2262H and PHY L263H	4

AP Exam Title	(Minimum Score Req. = 3)		(Advanced Score Req. = 4 or higher)	
	TROY Course(s)	Credit	TROY Course(s) (AP Transfer ONLY) (Applicable as Honors Credit)	Credit
Psychology	PSY 2200	3	PSY 2200H	3
Precalculus	MTH 1112	3	MTH 1112H and MTH 1114H	6
Research	General Studies Area IV Social Science	3	General Studies Area IV Social Science Honors	3
Seminar	General Studies Area IV Social Science	3	General Studies Area IV Social Science Honors	3
Spanish Language & Culture	SPN 1141	3	SPN 1141H and SPN 1142H	6
Spanish Literature & Culture	SPN 1141	3	SPN 1141H and SPN 1142H	6
Statistics	STAT 2210 or QM 2241	3	STAT 2210H or QM 2241H	3
Studio Art: 2D Design	ART 1145	3	ART 1145H	3
Studio Art: 3D Design	ART 1150	3	ART 1150H	3
Studio Art: Drawing	ART 2201	3	ART 2201H	3
U.S. Government & Politics	POL 2241	3	POL 2241H	3
United States History	HIS 1111	3	HIS 1111H and HIS 1112H	6
World History	HIS 1122	3	HIS 1122H and HIS 1123H	6

Required Score
Students must meet the required score in effect as of the date of the exam.

INTERNATIONAL BACCALAUREATE (IB)

Troy University awards International Baccalaureate credit with the appropriate higher-level (H-L) examination score. After official scores have been received, evaluated and certified, eligible credit will be posted to the student's transcript. Credit is granted only for degree-seeking students at the undergraduate level. For more information, contact the appropriate campus registrar. IB credit will appear on the University transcript as a grade of P. Credit for IB credit is not calculated in the grade point average.

IB Test	Troy Course(s)	Required IB Score	Credit Hours Awarded
Biology	BIO 1100 and BIO L100	4	4
Business Management	MGT 3300	4	3
Computer Science (Computing Studies)	IS 2241	4	3
Dance	DAN 2200	4	2
Economics	ECO 2251 **OR** ECO 2252	4	3
	ECO 2251 and ECO 2252	5	6
English B (Language B)	GS A2HUM	4	3
	GS A2HUM and GS A2HUM	5	6
Film	THE 1132	4	3
French (Language B)	FRN 1101	4	3
	FRN 1101 and FRN 1102	5	6
(General) Chemistry	CHM 1142 and CHM L142	4	4
	CHM 1142/CHM L142 and CHM 1143/CHM L143	5	8
Geography	GEO 2210	4	3
Global Politics	POL 2260	4	3
(Classical) Greek	GRK 1111	4	3
	GRK 1111 and GRK 1112	5	6
History-America	HIS 1111 **OR** HIS 1113	4	3
	HIS 1111/HIS 1112 **OR** HIS 1113/HIS 1114	5	6
History-European	HIS 1101 **OR** HIS 1103	4	3
	HIS 1101/HIS 1102 **OR** HIS 1103/HIS 1104	5	6
History-History of Africa and the Middle East/History of the Americas/History of Asia and Oceania	HIS 1122	4	3
	HIS 1122 and HIS 1123	5	6
History- History of Europe	HIS 1101	4	3
	HIS 1101 and HIS 1102	5	6
History- History of Europe and the Islamic World	HIS 1122	4	3
History-20th Century World History	HIS 1123	4	3
Language A: Language and Literature	ENG 1101 **OR** ENG 1103	4	3
Language A: Literature	ENG 1101/ENG 1102 **OR** ENG 1103/ENG 1104 **NOTE:** If both Language A: Language and Literature and Language A: Literature are passed, ENG 1101/ENG 1103 will be awarded only once.	4	6
Latin	LAT 1131	4	3
	LAT 1131 and LAT 1132	5	6

IB Test	Troy Course(s)	Required IB Score	Credit Hours Awarded
Mathematics (Analysis and Approaches/Applications and Interpretation)	MTH 1112 and MTH 1114	4	6
	MTH 1125 and MTH 1126	5	8
Music	MUS 1131	4	3
Philosophy	PHI 2203	4	3
Physics	PHY 2252 and PHY L252	4	4
	PHY 2252/PHY L252 and PHY 2253/PHY L253	5	8
Psychology	PSY 2200	4	3
Social and Cultural Anthropology	ANT 2200	4	3
Spanish	SPN 1141	4	3
	SPN 1141 and SPN 1142	5	6
Swedish: A Literature	ENG 2205 or GS A2LIT1	4	3
	ENG 2205/ENG 2206 **OR** GS A2LIT1/GS A2LIT2	5	6
Theatre	THE 1130	4	3
Visual Arts	ART 1133 **OR** ART 1134	4	3

Required Score
Students must meet the required score in effect as of the date of the exam.

GENERAL CERTIFICATE OF EDUCATION FOR ADVANCED AND ADVANCED SUBSIDIARY LEVEL EXAMINATIONS (GCE A/AS LEVEL)

(Also, referred to as AICE/Cambridge International Exams/etc.)

Examination scores for A/AS Level Examinations are A, B, C, D, E and U/O. Scores of A-E are passing and credit can be awarded. Scores of U/O are not passing and no credit will be awarded. Official score reports must be submitted to the University in order for credit to be placed on the student's transcript. Credit will be awarded only once for the same subject, whether from credit by examination, dual enrollment, transfer credit or credit granted by Troy University.

Students are not required to earn the full Advanced International Certificate of Education (AICE) Diploma as individual GCE subject certificates for A/AS Level examinations passed are considered for transfer credit purposes.

GCE A/AS Level examinations are offered by a number of Examining Boards (Assessment and Qualifications Alliance (AQA): Edexcel; Oxford, Cambridge, and RSA Examinations (OCR); Pearson; Council for the Curriculum. Examinations and Assessment (CCEA) in Northern Ireland; Welsh Joint Education Committee (WJEC); Cambridge International Examinations (CIE): Oxford International AQA); subjects not presented in the table below will be reviewed on an individual basis.

GCE A/AS Level Exam Title	A Level		AS Level	
	Troy Course(s)	Credit Hours	Troy Course(s)	Credit Hours
Accounting	ACT Elective/ACT Elective	3/3	ACT Elective	3
Applied Information and Communication Technology **OR** Computing	IS 2241/IS Elective	3/3	IS 2241	3
Art and Design	ART 1133/GS A2HUM	3/3	ART 1133	3
Biology	BIO 1100/L100 and BIO 1101/L101	3/1 & 3/1	BIO 1100/L100	3/1
Business Studies	BUS 1101/GS A4SS	3/3	BUS 1101	3
Chemistry	CHM 1142/L142 and CHM 1143/L143	3/1 & 3/1	CHM 1142/L142	3/1
Chinese	CHI 1101/CHI 1102	3/3	CHI 1101	3
Classical Studies	CLA 2260/GS A2HUM	3/3	CLA 2260	3
Computer Science	CS 2265/CS 3310	3/3	CS 3310	3
Divinity/Hinduism/Islamic Studies	GS A2HUM OR GS A4SS	3/3	GS A2HUM **OR** GS A4SS	3
Economics	ECO 2251/ECO 2252	3/3	ECO Elective	3
English Language	ENG 1101/ENG 1102	3G 1101	3	
English Literature	ENG 2205/ENG 2206	3G 2205	3	
Environmental Management	N/A	N/A	BIO 1120/L120	3/1
Foreign Languages - Other: Afrikaans/Arabic/Hindi/Marathi/Portuguese/Tamil/Telugu/Urdu	GS A2HUM/GS A2HUM	3/3	GS A2HUM	3
Foreign Languages - Other: Japanese	N/A	N/A	JPN 1101	3
French	FRN 1101/FRN 1102	3/3	FRN 1101	3
General Paper	N/A	N/A	TROY Elective	3
Geography	GEO 2210/GS A4SS	3/3	GEO 2210	3
German	GER 1121/GER 1122	3/3	GER 1121	3

GCE A/AS Level Exam Title	A Level		AS Level	
	Troy Course(s)	Credit Hours	Troy Course(s)	Credit Hours
Global Perspectives	N/A	N/A	IDS 2200	3
American History	HIS 1112/HIS Elective	3/3	HIS 1112	3
European History	HIS 1102 **OR** HIS 1123 and HIS Elective	3/3	HIS 1102 **OR** HIS 1123	3
History	GS A4HIS1 /GS A4HIS2	3/3	GS A4HIS1	3
Law	LAW Elective/LAW Elective	3/3	LAW Elective	3
Marine Science	BIO Elective/BIO Elective	3/3	BIO Elective	3
Mathematics	MTH 1112/MTH 1114	3/3	MTH 1112	3
Further Mathematics	MTH 1125/STAT 2210	4/3	N/A	N/A
Media Studies	GS A2FA/GS A2FA	3/3	GS A2FA	3
Music	MUS 1131/GS A2HUM	3/3	MUS 1131	3
Physics	PHY 2252/L252 and PHY 2253/L253	3/1 & 3/1	PHY 2252/L252	3/1
Psychology	PSY 2200/GS A4SS	3/3	PSY 2200	3
Sociology	SOC 2275/GS A4SS	3/3	SOC 2275	3
Spanish	SPN 1141/SPN 1142	3/3	SPN 1141	3
Thinking Skills	PHI 2203/GS A2HUM	3/3	PHI 22033	3
Travel and Tourism	HSTM 2220	3	N/A	N/A

TUITION AND EXPENSES

For a complete listing of current registration and related fees, visit the Finance and Business Affairs website at https://my.troy.edu/student-financial-services

PAYMENT OF REGISTRATION EXPENSES

The payment of charges for tuition, fees, room, and board is part of the registration process. Troy University encourages full payment of all tuition and related fees by the first payment due date for the current semester or term. Payment of fees may be made on-line using Student Self Service or at the office of the Student Financial Services. Troy University accepts Visa, MasterCard, Discover, American Express, money orders, checks, and cash.

PAYMENT PLAN (TROY CAMPUS ONLY)

Students with an account balance after the payment due in full will be automatically enrolled in the payment plan. If the student is enrolled in the payment plan option, a $25.00 payment plan fee will be automatically added to their account balance.

The remaining amount is owed by the payment due in full date. Payment dates are published on the academic calendar and on the SFS website. The payment due date is approximately two weeks after school starts. The payment plan due date is approximately eight weeks after school starts. The student should be prepared to pay any amount not covered by Financial Aid. Failure to pay the entire balance by the payment plan due date will result in a late fee of $50.00. Also, failure to satisfy financial obligations to the University will result in the student's restriction from future class registration, possible having the account assigned to a collection agency, and non-release of transcripts.

For each account with a balance due, a reminder will be e-mailed to the student's TROY e-mail address prior to the payment due dates.

A current semester or term debt must be paid-in-full before a student will be allowed to register during registration dates that fall before the final payment due date.

It is the responsibility of the students to pay their account balance by the established payment due dates, and their responsibility to inform parents or guardians of any balance owed.

CLEARANCE OF OBLIGATIONS

It is the responsibility of the student to check, confirm, and pay account balances by the established payment due dates even if third party payments and/or financial aid and scholarships are anticipated to pay on the account. All financial or other obligations to the University must be cleared prior to the end of each semester or term. An outstanding balance for a prior semester or term must be paid before the student will be allowed to register for subsequent semesters or terms. Transcripts and Diploma may not be issued if financial obligations have not been satisfied. Failure to meet financial obligations to the University could subject the student to additional late payment charges, as well as collection costs.

MISCELLANEOUS EXPENSES

In addition to registration expenses, miscellaneous expenses may be incurred by students. These charges are payable when incurred.

OFFSET OF FUNDS

If there is an outstanding account balance, and the University has in its possession any funds payable to the student, the University reserves the right to withhold funds necessary to pay the outstanding balance and cover any collection costs incurred. Once accounts are paid, any remaining balance will be refunded to the student.

CHANGE IN REGULATIONS OR EXPENSES

All financial regulations, fees, or charges are subject to change as conditions warrant.

DIRECT LOANS

Direct loans are disbursed each semester or term. Direct loans are disbursed electronically. All loan applicants are required to complete an entrance counseling and MPN on the web at www.studentaid.gov concerning their financial obligation as recipients of loan funds.

STUDENT REFUNDS

To receive any refunds from the University, a student must select his or her refund preference with BankMobile. For more information about BankMobile, visit this link: http://bankmobiledisbursements.com/refundchoices/.

First, check your email for your Refund Selection instructions upon registration. This will be sent to the Troy email address on file with the University. Once it arrives, simply follow these steps to make your refund preference selection:

1. **Visit Refundselection.com**
2. **Enter your Personal Code**
3. **Select how you would like to receive your money**

Your options for receiving your refunds are:

- **Deposit to an Existing Account** - Money is transferred to an existing account the same business day BandMobile receive funds from your school. Typically, it takes 1-2 business days for the receiving bank to credit the money to your account.
- **Deposit to a BankMobile Vibe Account** - If you open a BankMobile Vibe checking account (upon identity verification), money is deposited the same business day BankMobile receives funds from your school.

FUNDS HELD

Troy University acts as an agent holding miscellaneous scholarship funds from donors to be applied to the accounts of students. All transactions relating to a funds-held account must take place at the office of Student Financial Services, pursuant to completion of applicable paperwork in the Financial Aid office.

DROPS, WITHDRAWALS AND REFUNDS

Course Drops - Contact the Registrar for drop/add procedures.

Administrative Drops: The provost or his/her designee will determine whether an administrative drop/add is appropriate. No administrative drop/add will be processed without the signature of

the provost or his/her designee. Requests for administrative drops will be handled on a case-by-case basis.

Non-administrative Drops: Student charges are not reduced for non-administrative drops. A drop fee will be charged for non-administrative course drops.

Withdrawal - Contact the Registrar for withdrawal procedures.

Official withdrawal will result in 100% refund of charges for tuition, laboratory fees, technology fees and student activity fees through the first week of classes (five calendar days from the term's class begin date.) No refund of these charges will occur after the first week of class. For weekend classes, no reduction of charges will occur after the second class meeting.

- *Withdrawal fee:* A fee will be assessed at the time of withdrawal
- *Ineligibility for refund:* A student who is withdrawn by the University for disciplinary reasons or non-payment is not eligible for refunds of any nature.
- *Application for admission fee:* This fee is non-refundable.
- *Housing application fee*: This fee is non-refundable.
- *Housing charges:* Room/apartment rent is non-refundable once the term begins.
- *Board charges:* Meal plans are refundable on a pro-rata basis in units of one week. A fractional part of a week will be counted as one week.
- *Special note:* Students who register, do not attend, and do not follow official withdrawal procedures will be responsible for all semester charges including room and board.
- Book charges are not reduced/forgiven for drops or withdrawals. Please contact your campus's Barnes & Noble Bookstore to inquire about the return policy.

Refunds will be applied to any outstanding obligations and to any scholarship, grant, or loan received for the semester or term.
Students may encounter extenuating circumstances that warrant an exception to the refund policy.

WITHDRAWAL POLICY

Withdrawal refers to the withdrawal from all classes at the University.

For Troy University - Alabama Campus Locations

Official withdrawal will result in 100% refund of charges for tuition and university fees through the first week of classes (seven calendar days from the start date of the term/semester). No refund of these charges will occur after the first week of the semester/ term being date (Monday - Monday). For weekend classes, no reduction of charges will occur after the second-class meeting.
Please note: a withdrawal fee will be assessed.

For Troy Online and Troy Service Center Locations

1. 100% refund for any withdrawal during the first week of classes
2. 50% refund for withdrawal from the end of the first week of classes through the end of the second week of classes
3. 0% refund for any withdrawal after the end of the second week of classes
4. This policy includes distance learning and weekend classes.
5. This policy does not apply to the State of Georgia due to existing contractual agreements.
6. This policy does not apply to the State of South Carolina due to existing contractual agreements (See Reg 62-18).

SPECIAL NOTES ON REFUNDS FOR WITHDRAWALS:

- Students who withdraw from the University for extenuating circumstances need to contact their campus Registrar for more information.
    - Extenuating Circumstances could include:
        - Military Service
        - Medical

For Self-Pay South Carolina Residents ONLY*:*

Per Regulation 62-18, pro rata refunds for self-pay South Carolina students whose date of withdrawal is before the sixty percent point (in time) in the period of enrollment for which the student has been charged:

1. Pro rata refund is a refund for a student attending the institution for the first time of not less than that portion of the tuition, fees, room and board, and other charges assessed the student equal to the portion of the period of enrollment for which the student has been charged that remains on the last day of attendance by the student, rounded downward to the nearest ten percent of that period, less any unpaid charges owed for the period of enrollment for which the student has been charged, and less an administrative fee not to exceed one hundred dollars.
2. The portion of the period of enrollment for which the institution charged that remains shall be determined:
    a. in the case of a program that is measured in credit hours, by dividing the total number of weeks comprising the period of enrollment for which the student has been charged into the number of weeks remaining in that period as of the last recorded day of attendance by the student;
    b. in the case of a program that is measured in clock hours, by dividing the total number of clock hours comprising the period of enrollment for which the student has been charged into the number of clock hours remaining to be completed by the student in that period as of the last recorded day of attendance by the student; and
    c. in the case of a correspondence program, by dividing the total number of lessons comprising the period of enrollment for which the institution has charged into the total number of such lessons not submitted by the student.

Withdrawals for Students Receiving Title IV Aid

In addition to the above, if a student is a recipient of Title IV aid [Pell Grant, Supplemental Education Opportunity Grant (SEOG), Direct Stafford Loans, Plus Loan, and Parent Loan], federal regulations administered through the U.S. Department of Education will apply. If a recipient of Title IV aid withdraws during the term, the university will calculate the amount of aid the student did not earn, and the unearned portion will be returned to the Title IV programs. The student is responsible for any charges which are unpaid as a result of the return of Title IV funds.

Generally speaking, a student earns Title IV aid based on the number of days completed during the term prior to withdrawal. Once 60% of the term has been completed, the student is considered to have earned 100% of the Title IV aid awarded.

DROP AND WITHDRAWAL PROCEDURES

To initiate withdrawal from the university, students should contact their respective campus Designated Withdrawal Official (DWO).

IN-STATE AND OUT-OF-STATE STATUS

Pursuant to the Code of Alabama, Section 16-64-4, and for the purposes of admissions and tuition, students may be considered a residential student by meeting certain requirements.
Military service members, spouses, dependents and veterans who reside in the state of Alabama, or within 90 miles of a Troy University campus, will be granted in-state residency.

Students not affiliated with one of the categories above, may still meet residency requirements outlined in the Code of Alabama. Please refer to the Office of Admissions/Enrollment Management for residential eligibility

PARKING DECALS

Students who use campus parking are required to purchase parking decals. Purchase of a TROY University car tag may entitle a student to a reduction or waiver of the parking decal costs. See the appropriate campus parking official to inquire about the advantages of purchasing a TROY University car tag.

E-COMMERCE SYSTEM

Troy University's E-Commerce system allows students to use the latest technology to complete business transactions with the University. Using the Web Advisor program, E-Commerce offers the following on-line features to students:

- The ability to pay tuition and various fees by using a credit card.
- The ability to view a summary of account balances.

To view this feature, visit Student Self Service at *my.troy.edu*.

FINANCIAL ASSISTANCE

Troy University attempts to provide financial assistance to the maximum number of students possible. We recognize that in many instances students and/or parents are simply not able to meet the entire cost of college.

Note: Transient students are not eligible for financial aid through Troy University.

HOW TO APPLY

Go to FAFSA on the Web at studentaid.gov to apply for financial aid.

- Apply for a U.S. Department of Education FSA ID at studentaid.gov
- Be sure you are applying for the correct year using school code 001047.
- Just Fill in the blanks when prompted.
- Your application reaches the federal processor immediately.
- Admitted students can check TROY's Self Service portal for any required documents that need to be completed.

All students must fill out the Free Application for Federal Student Aid (FAFSA) annually for the academic year covering their enrollment periods. Financial aid is NEVER renewed automatically.

PRIORITY DATES

The FAFSA should be completed as soon after October 1 as possible for the approaching fall to be considered for all types of aid. October through April is the ideal completion period in order to have your funding available at the beginning of the fall semester. Funds are awarded for academic (fall/spring) year - you are expected to save for summer enrollment from your fall/spring award. If you have any funds unused, these may be awarded for summer and a summer form should be completed (available on our website at fa.troy.edu).

If your FAFSA information is received prior to May and your file is complete in May, your funds (assuming you complete the MPN with your lender, if required) should be ready to be placed on your account at the end of free/drop add.

Work study funding is first come first serve. Money is not saved for students who have worked previously.

FINANCIAL AID DISBURSEMENT

The transmittal of financial aid will be made on the day after the drop/add period. Students will be able to receive refunds no later than 12 days after the start of classes for the term.

WITHDRAWALS FOR STUDENTS RECEIVING TITLE IV AID

In addition to the above, if a student is a recipient of Title IV aid [Pell Grant, Supplemental Education Opportunity Grant (SEOG), Direct Stafford Loans, Plus Loan, and Parent Loan], federal regulations administered through the U.S. Department of Education will apply. If a recipient of Title IV aid withdraws during the term, the university will calculate the amount of aid the student did not earn, and the unearned portion will be returned to the Title IV programs. The student is responsible for any charges which are unpaid as a result of the return of Title IV funds.

Generally speaking, a student earns Title IV aid based on the number of days completed during the term prior to withdrawal. Once 60% of the term has been completed, the student is considered to have earned 100% of the Title IV aid awarded.

ADDITIONAL INFORMATION

Students enrolling less than full time will have their financial aid awards reduced or canceled according to the number of hours taken. Troy University reserves the right to adjust or cancel any aid if there is a change in academic or financial status of the aid recipient or to prevent institutional liability.

GRANTS

The grants listed below are based on need. These grants are available only to undergraduate students who have not received a bachelor's degree.

- **Pell Grants**
  Pell Grants help undergraduate students who have not earned a bachelor's or higher degree pay for their higher education. The U.S. Department of Education determines who is eligible by using a formula established by Congress and the information provided by the applicant on the Free Application for Federal Student Aid (FAFSA). This will produce a Student Aid Index (SAI) number. The amount the applicant receives depends on the SAI, cost of attendance, enrollment status (full-time or part-time), and length of enrollment.
- **Federal Supplemental Educational Opportunity Grants (FSEOG)**
  FSEOG help undergraduates who hold no bachelor's or higher degree and have exceptional financial need. Priority is given to students with the lowest EFC, determined by information provided on the Free Application for Federal Student Aid (FAFSA), who also receive Pell Grants. There is no guarantee that every eligible student will receive an FSEOG, so it is important to apply early to have a better chance of receiving a grant. FSEOG awards are based on the availability of funds at Troy University.
- **Federal Work-Study**
  The federal work-study program is designed to encourage students to contribute to their educational expenses while decreasing their debt burden. Priority is given to students with the lowest SAI, determined by information provided on the Free Application for Federal Student Aid (FAFSA), who also receive Pell Grants. There is no guarantee that every eligible student will receive or renew a work-study award, so it is important to apply early to have a better chance of receiving a job. Work-study awards are based on the availability of funds at Troy University.

DIRECT STAFFORD LOANS

Direct Stafford Loans require a FAFSA and include the following federal programs:

- **Subsidized Loans**

Subsidized loans are awarded based on the student's calculated need from the FAFSA. The interest is paid by the government while at least half-time enrollment is maintained. You are charged a fee by the federal government when you borrow; the amount of your loan sent to the school is reduced by that fee. Repayment begins six months after enrollment has ceased or dropped to below half-time status.

- **Direct Unsubsidized Loans**
  Unsubsidized loans are not based on calculated need, but still necessitate the filing of the FAFSA for eligibility determination. You are charged a fee by the Federal government when you borrow; the amount of your loan sent to the school is reduced by that fee. Interest is not paid by the Federal government, and the student is responsible for all interest associated with the loan. Interest payments can be capitalized (added to the loan at repayment) if no payments are made during enrollment. Repayment begins six months after enrollment has ceased or dropped below half time.
- **Direct PLUS Loan**
  Direct PLUS Loan is for parents of dependent students and is not based on need but a FAFSA is required. Parents may qualify for the PLUS Loan for the difference between your education costs and the amount of financial aid you are awarded.

Interest rates for the Direct Stafford and Direct PLUS Loans vary. The federal government pays the interest on the subsidized Direct Stafford Loan until repayment begins. The borrower is responsible for all interest that accrues on the Unsubsidized Direct Stafford and Direct PLUS Loans from the time the loan is disbursed. More information can be found at www.studentaid.gov.

VETERAN AFFAIRS EDUCATIONAL BENEFITS

Veterans' educational benefits are available for all eligible veterans and their dependents. To receive these benefits while attending Troy University, students must be admitted and enrolled in an approved program of study. Students interested in VA benefits should visit https://www.troy.edu/military-veterans/veterans.html for more information.

The following is a summary of the educational assistance that the Department of Veterans Affairs offers to veterans, service members, and their dependents.

1. The Montgomery VA Educational Benefits (Chapter 30) assists students who entered active duty for the first time after July 1, 1985, and who agree to have their pay reduced $100 for 12 months. Veterans must have been honorably discharged, and active duty personnel must have served at least two years.
2. The Post 9/11 VA Educational Benefits (Chapter 33) assists students who have served at least 90 aggregate days on active duty after September 10, 2001, and are still on active duty or were honorably discharged from active duty; or released from active duty and placed on the retired list or temporary disability retired list; or released from active duty and transferred to the Fleet Reserve or Fleet Marine Corps Reserve; or released from active duty for further service in a reserve component of the Armed Forces. Students may also be eligible if honorably discharged from active duty for a service connected disability if they have served 30 continuous days after September 10, 2001.
3. The Montgomery VA Educational Benefits - Selected Reserve Education Assistance Program (Chapter 1606) assists students who have a six-year obligation in the Selected Reserves. Students who are officers must agree to serve six years in addition to current obligation, complete initial active duty for training, serve in a drilling Selected Reserve unit, and remain in good standing.
4. The Veterans Educational Assistance Program - VEAP (Chapter 32) assists students who enlisted in the military after December 31, 1976, and before July 1, 1985, who contributed money to the educational fund.
5. Vocational Rehabilitation (Chapter 31) provides assistance to veterans who have a service-connected disability and need vocational rehabilitation because his/her disability creates an employment handicap.
6. The Dependents' Educational Assistance Program (Chapter 35) provides education and training opportunities to eligible dependents and survivors of certain veterans who either died of, or are permanently and totally disabled as the result of, a service-connected disability. The disability must arise out of active service in the Armed Forces.
7. The University is awarding 10-percent tuition scholarships and application fee waivers to all U.S. Military Veterans and their spouses and dependents in appreciation for their service.

To receive an application fee waiver, apply now and use promotional code TROY4VETS. Scholarship eligibility is verified by the applicant's Department of Defense form 214 (DD214).

For additional information about TROY's support for veterans and families, contact the TROY for Troops Center at TROYforTroops@troy.edu or 1-800-414-5756.

Veterans In-State Status

A Veteran using educational assistance under either Chapter 30 (Montgomery VA Educational Benefits - Active Duty Program) or Chapter 33 (Post-9/11 VA Educational Benefits), of title 38, United States Code, who lives in the state in which the institution is located (regardless of his/her formal State of residence) and enrolls in the institution within three years of discharge or release from a period of active duty service of 90 days or more.

Anyone using transferred Post-9/11 VA Educational Benefits (38 U.S.C. § 3319) who lives in the state in which the institution is located (regardless of his/her formal state of residence) and enrolls in the institution within three years of the transferor's discharge or release from a period of active duty service of 90 days or more.

Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same institution. The person so described must have enrolled in the institution prior to the expiration of the three-year period following discharge or release as described above and must be using educational benefits under either Chapter 30 or Chapter 33, of Title 38, United States Code.

Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9)) who lives in the state in which the institution is located (regardless of his/her formal State of residence).

Anyone using transferred Post-9/11 VA Educational Benefits (38 U.S.C. § 3319) who lives in the state in which the institution is located (regardless of his/her formal state of residence) and the transferor is a member of the uniformed service who is serving on active duty.

The policy shall be read to be amended as necessary to be compliant with the requirements of 38 U.S.C. 3679 as amended.

Application Procedures

Students who are eligible for educational benefits from the Department of Veterans Affairs should contact the Troy University VA Benefits office to complete the necessary forms. After all of the necessary forms and documentation are submitted to the Troy University VA specialist, the student's enrollment information will be certified to the Department of Veterans Affairs. The Department of Veterans Affairs processes claims 8 to 12 weeks after receiving the completed paperwork. More detailed information is available on the VA section of the financial aid section of the university website.

Third Party Billing

Troy University accepts a variety of pre-paid and third-party college programs, including state programs and veteran programs. These plans differ on specific requirements and the contact is through the cashiers' office.

- **Pre-paid Programs**
  The United States Internal Revenue Code Section 529 affords for eligible tuition programs that offer unique benefits for parents, guardians, and/or others who desire to supply money in advance for a child's college education. Taxpayers can presently pre-pay the higher education tuition costs only under state-sponsored tuition programs. Troy University accepts all pre-paid college programs. Below are the most common programs utilized at Troy University.
- **AL PACT**
  The AL PACT program is Alabama's Prepaid Affordable College Tuition program, which is administered through the Alabama State Treasury. The PACT Benefit Rate is determined by PACT. For more information, please call 1-800-ALA-PACT (1-800-252-7228), or view the website at: https://treasury.alabama.gov/pact/.
- **FL Prepaid College Plan**
  The Florida Pre-pay college program is administered through the Florida Prepaid College Board. Each student determines his/her program for out-of-state colleges, whether unrestricted or restricted. For more information, please call 1- 800-552-GRAD (4723), or view the website at https://www.myfloridaprepaid.com/prepaid-plans/plans-and-pricing/.
- **Military Tuition Assistance**
  Active duty military persons may qualify to use the tuition assistance program. Tuition does not include the cost of textbooks or administrative fees. If a student plans to use tuition assistance, the student must complete the required application at the military education services office prior to registration and submit the completed Authorization for Tuition Assistance to the University. For questions or further information, contact the Base Education Office.
- **State Programs**
  The most common state programs utilized at Troy University are listed below. For reference of a program not listed, please contact the Troy University Office of Financial Aid.
    - AL Rehabilitation
    - OCAP
    - WIA/Job Training
    - AL Industry Training TRA/Job Training
    - AL COM Fire Fighters/Policeman

VA Pending Payment Compliance

In accordance with Title 38 US Code § 3679 subsection (e), this school adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post 9/11 VA Educational Benefits (Ch. 33) or Veteran Readiness and Employment (Ch. 31) benefits, while payment to the institution is pending from the VA. This school will not:

- Prevent the student's enrollment;
- Assess a late penalty fee to the student;
- Require the student to secure alternative or additional funding;
- Deny the student access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution

However, to qualify for this provision, such students will be required to:

- Provide the enrolling institution with a copy of his/ her VA Certification of Eligibility (COE)
- A "certificate of eligibility" can also include a "Statement of Benefits" obtained from the U.S. Department of Veterans Affairs' (VA) website; ebenefits; or a VAF 28-1905 form, for chapter 31 authorization purposes.

VA Payment

The amount of money a student receives from the Department of Veterans Affairs depends on which education program the student is eligible for, how many hours of credit the student is registered for, the length of the term, and, for retirees, the number of dependents.

TROY UNIVERSITY FOUNDATION SCHOLARSHIPS AND LOANS

TROY CAMPUS

Programs

The Troy University Foundation provides stewardship for a number of scholarships and loan funds established through the generosity of private donors to assist students who are enrolling in/ are enrolled at Troy University in furthering their education.

Nature of the Awards

Each foundation scholarship or loan is awarded according to its own unique requirements. Brief descriptions of each scholarship or loan are listed below. Applications for foundation scholarships and loans must be submitted by March 1. Unless otherwise indicated, applications and inquiries should be directed to the Admissions Office.

Policies

Scholarship awarded amount will be applied to student's account. Recipients must meet all eligibility requirements and maintain full-time status. Failure to meet and maintain requirements of scholarship will result in loss of scholarship, and student's account will be charged for repayment of scholarship amount awarded.

Only one Foundation scholarship will be awarded to an individual student at any given time. Some Foundation scholarships and loans are renewable, but recipients must reapply every year.

All Foundation Scholarship recipients are required to write a thank you letter to the sponsor of the scholarship. Awarding of Foundation Scholarships is contingent upon funding.
All Scholarships applications are online: https://troy.academicworks.com/

If a scholarship is available for awarding in the academic year, they will be listed in the academic year, they will be listed in Academic Works with their full descriptions.

SCHOLARSHIPS (ENDOWED)

Academic Scholars Award was established to assist full-time students in pursuing their educational goals. Awards will be made to those students who have demonstrated academic potential based on high school grades and SAT or ACT scores.

Ed Ackerman Memorial Scholarship was established by the Ed Ackerman Gift Shop at the Butler Adult Training Center. This scholarship is awarded to students majoring in Developmental Disabilities/Mental Retardation - South Alabama. Scholarships will be awarded to a resident of Butler County or Crenshaw, Coffee or Covington Counties. Recipient must be a junior, senior or graduate student.

Harry C. "Heinie" Aderholt Memorial Scholarship will benefit students who are pursuing a degree in education on any Troy University campus. Recipients must have and maintain a minimum GPA of 2.5. First preference will be given to graduates from a Pike County, Alabama high school. If no applicants meet this criteria, then the scholarship may be opened to other applicants. Scholarship will be needs-based as evidenced by a FAFSA application.

Alabama Dairy Products Association/Curtis Springer Scholarship was established by the Alabama Dairy Products Association in honor of Curtis Springer. The purpose of the scholarship is to assist full-time students pursuing majors in either business administration or the biology area.

Alabama Power Endowed Scholarship was established by the Alabama Power Foundation, Inc. to promote the education of deserving full-time, undergraduate students enrolled in the Sorrell College of Business. This scholarship is awarded on the basis of academic achievement, financial need and Alabama residency. Applications should be directed to the dean of the Sorrell College of Business.

Mabel Amos Endowed Scholarship will be awarded to students who have declared a major in the College of Education and Behavioral Sciences. Preference will be given to those studying in the area most related to politics and/or governmental affairs. Entering freshmen should have a GPA of 3.5 and/or an ACT score of 22 or higher. Currently enrolled undergraduate students should have a GPA of 3.0. Selection of recipient is made by the Troy University scholarship committee.

The Anderson Scholarship was established by John "Doc" Anderson in honor of his parents for the purpose of providing an annual scholarship award for students who major in Athletic Training Education. Selection of recipients is made by the Athletic Training Education scholarship committee.

Emily Ann Anderson Nursing Scholarship was established by Evelyn and John W. Anderson. The purpose of the scholarship is to benefit students pursuing majors in the School of Nursing. Applications should be directed to the director of the School of Nursing.

Frank Sims Anderson and Sarah Smith Anderson Memorial Scholarship was established in their memory through the remainder proceeds of a trust. The purpose of the scholarship is to assist full-time students attending Troy University and pursuing a major in accounting. The award will be made to a junior or senior accounting major who has a 3.0 GPA on a 4.0 scale. Applications should be directed to the chair of the Department of Accounting and Finance.

John and Eloise Archer Scholarship was established by Billy Cannon in 1988. Scholarship winners must be graduating high school seniors from the Pike County, Ala., school system who are members of the boys' or girls' basketball team. The winners should exemplify leadership on the basketball court and in the classroom. The winners must not have received any other athletic scholarship and must attend Troy University. It is the intent of the donor that the scholarships go to hard working students who possess the highest character and need financial help. Incoming freshmen recipients must have at least an 18 ACT. Recipients must maintain an overall and last term GPA of at least 2.3.

Cynthia Childs Baker Scholarship was established in her memory through memorial gifts from friends and family. This scholarship is awarded to a graduate of Geneva County High School of Hartford, Alabama, or Charles Henderson High School of Troy, Alabama. The recipient of the scholarship shall be an elementary education major or an early childhood major. Recipients must be seniors or students in the non-traditional program and have an overall and last term grade point average of at least 2.6/4.0. Applications should be directed to the dean of the School of Education.

Okla and Derlie Barnes Memorial Music Endowment was established by Miss Derlie Barnes in memory of her brother Okla. The purpose of the fund is to promote the study of string music. One of the activities supported by the fund is a music scholarship, with a preference for students studying string music. Priority is given to residents of Covington County, Alabama.

Beach Optimist Club Endowed Scholarship is awarded to students pursuing a degree at the Panama City site. The recipient must maintain a GPA of 2.5, reside in the Panama City area and have financial need. Information may be obtained from the office of the Panama City district director.

Marion Horne Beasley Scholarship shall be used to provide financial assistance to female students enrolled in the College of Education at the Troy, Alabama campus of Troy University and who have matriculated later in life or who have returned after an interruption in their education. Preference will be given to applicants who are (a) currently employed in or who plan to seek employment as an educator in a rural setting in Alabama and (b) residents of Barbour County, Alabama. GPA 3.0. Contact the College of Education for information on applying.

Department of Biology Scholarship was established by the faculty of the biology department. The income earned will be used each year to benefit students majoring in one of the fields of biological science. Applications should be directed to the chair of the Department of Biological Sciences.

Blankenship Award was established by Larry D. Striplin, Jr., in honor of Dr. Kenneth Blankenship. The award is presented to an outstanding senior athlete who plans to attend graduate school. Applications should be directed to the athletic director.

Robert and Mildred Blount Presidential Scholarship was established by the Robert and Mildred Blount Education and Charitable Foundation. This four year scholarship is to honor outstanding high school seniors who graduate from high school in Elmore County, Ala.

Elbert A. Botts Endowed Scholarship was in memory of Elbert A. Botts. It is awarded to students majoring in Geomatics with a 2.0 GPA. This scholarship is awarded on the basis of academic achievement and financial need. Selection of recipients is made by the Troy University Scholarship Committee.

Jennifer Wright Bowdin Scholarship is awarded to a deserving female student from Samson High School or Coffee Springs High School who has a good academic record and was active in interscholastic athletics.

Dempsey Boyd Scholarship was established by Boyd Bros. Transportation, Inc. This scholarship will be awarded to full-time undergraduate students who are pursuing a degree in the College of Business.

Dr. George Robert Boyd and Mrs. Lucille King Boyd Debate Scholarship was established by Dr. and Mrs. George Robert Boyd and family to provide assistance to a full-time student who makes an outstanding contribution to the university's debating activities. Dr. Boyd served as academic dean at Troy University. Applications should be directed to the director of debate activities

May Shanks Brantley Scholarship was established by Mildred Irene Brantley Richardson in honor and memory of May Shanks Brantley, a life long resident of Pike County, Alabama. The award is presented to a deserving full-time student who is a resident of Alabama. Priority consideration is to be given to a student who has a high school GPA between 2.0 and 2.7.

Claude Allen Brown Scholarship was established by Shelby Brown and Richard Allen Brown for the purpose of providing a scholarship for pre-engineering students in the College of Arts and Sciences. The scholarship is named in honor and memory of Claude Allen Brown in recognition of his support for Troy State University and his interest in education. First priority for the award of this scholarship will be given to graduates of Charles Henderson High School and then to graduates from a high school located in Pike County.

Edna Allen Brunson Scholarship Edna Allen Brunson Scholarship will be awarded to incoming freshman with GPA of 2.5 and/or ACT of 18. May be re-awarded if GPA requirement is maintained. Award is $1,000 for 1st year (freshman), then $500 next 3yrs. (If money is available)

Carole Butterworth Endowed Scholarship is awarded to students majoring in education who are from Shelby County. Students must have a GPA of 2.5, be a rising sophomore and have financial need. Selection is made by Troy University scholarship committee.

Charles R. Calkins, Jr. Endowed Scholarship in Music Charles R. Calkins, Jr. Endowed Scholarship in Music will be awarded to students with a 2.75 GPA and specializing in keyboards. Students must process a strong work-ethic, attitude and integrity and be active within the School. Application can be obtained from the School of Music.

Bertie Clark Cain and Veta Ross Tootle Scholarship was established by Lee C. Cain and Martha Tootle Cain. The purpose of the scholarship is to assist full-time students pursuing majors in nursing or education.

Car Tag Scholarship program was established with funds received from the sale of Troy University car tags across Alabama. These scholarships will be awarded to first-time Troy University students (e.g., entering freshmen, adult learners, transfer students) from Alabama. Scholarship applicants or their parents are required to be paid members of the Troy University Alumni Association or a member of one of its chapters and have been so for at least one full year prior to the scholarship application deadline. Requirements: One individual in the applicant's immediate family must possess a Troy University car tag. Entering freshmen are required to have a 3.0 high school G.P.A. and be able to demonstrate a record of community service. Adult learners/transfer students are required to have a 3.0 cumulative G.P.A. on all college work attempted. Awarding of Scholarship: The award is for one year only and is non-renewable. The scholarship will be awarded in the fall term. Application is made to the Office of Admissions by March 31st of each year. (Note: Students may apply for the scholarship in the cycle they are first eligible to apply; e.g., if a student enters Troy University in the summer term, they would be able to apply for the award the following spring. Also, it should be noted that a student may only receive one Foundation scholarship each year.)

Woodrow and Dessie Carter Scholarship was established by Mr. and Mrs. Stuart Arn. The purpose of the scholarship is to assist full-time students pursuing majors in the College of Business.

William Clipson Endowed Scholarship was established by the Clipson Alumni Chapter in memory and honor of former Troy State football coach William F. "Bill" Clipson. The purpose of this scholarship is to assist students who are descendants of any player who played for Coach Clipson at Troy University. Must maintain a GPA of 2.5 and have financial need. If in any year there are no applicants who are descendants of a Clipson player, then the scholarship may be awarded to a student from Troy, Alabama. Selection will be made by the Troy University scholarship committee.

Dr. Jesse Hall Colley Memorial Scholarship was established in Dr. Colley's memory by his family and friends. Dr. Colley served as university physician for many years and also assisted as team physician for the department of athletics. This scholarship provides financial assistance to an outstanding senior track athlete. Applications should be directed to the director of athletics.

Terry Collins Endowed Scholarship will be awarded to students majoring in Education and/or Business. First preference will be given to students from Houston County. GPA 3.0. Selection will be made by Troy University scholarship committee.

Dacre Green Davis, Jr. Memorial Scholarship in Environmental Science was endowed in his memory through memorial gifts from friends and family. Mr. Davis was a native of Troy, a career Marine, and a highly decorated combat veteran of the Vietnam War. On retiring from the Marine Corps, Mr. Davis served his city as director of the public works department. He was recognized nationally for his contributions to environmental quality. The scholarship is awarded to students in the environmental science program. The criteria are academic achievement and a commitment to a career in an environmental field.

Mildred Brown Davis Endowed Scholarship was established in her memory by her daughter. Ms. Davis was a 1903 graduate of Troy University. This scholarship is awarded on the basis of financial need, academic achievement and demonstrated leadership

potential. The award is also limited to rising juniors, seniors and/or graduate students.

Lynn Patterson Deppen Scholarship is awarded to students who have graduated from either Luverne High School or Brantley High School The recipient must have 2.5 GPA and an ACT score of 20. Applicant must submit three letters of recommendation from high school teachers and principals. Preference is given to students recognized for their leadership skills. Selection is made by Troy University scholarship committee.

Earl Dudley Geomatics Scholarship was established in memory of Edgar Earl Dudley by family and friends. It is awarded to students majoring in Geomatics. For information on applying, contact the Geomatics program coordinator.

Curtis and Lillian Dunning Endowed Scholarship was established in 1993 by their son, Brad Dunning, a 1980 graduate of Troy University, and his wife, Robinette. The scholarship is awarded to deserving graduates of Seminole County High School in Georgia. Inquiries should be directed to the Regional Library Board of Seminole County, Georgia.

Millie Huff Ezell Scholarship was established by Millie Huff Ezell's heirs in her memory. The scholarship is to assist students pursuing majors in the School of Education. Preference will be given to residents of Pike, Coffee, Crenshaw, Bullock, Barber, or Dale County. To be eligible for consideration for this scholarship, a freshman applicant must have a 20 ACT and a current student must have a grade point average of 3.0/4.0 scale.

Floyd-Braswell Scholars Award was established by Jessie Floyd-Braswell to benefit full-time students. This scholarship is awarded on the basis of financial need and academic achievement. Applications should be directed to the admissions department.

Allan B. Fountain Art Scholarship was established in 1992 through the generosity of Allan B. Fountain, a 1977 graduate of the university. It is awarded to a deserving student majoring in art.

James W. "Bo" Gaylard, III Scholarship was established in his memory through gifts from family and friends. This scholarship is awarded on the basis of academic achievement, financial need, and being a member of Troy University's baseball team.

Anna and Seymour Gitenstein Endowed Scholarship was established by the Anna and Seymour Gitenstein Foundation of Florala, Alabama, in 1993. Scholarship awards are made to deserving students with a preference for residents of Florala or Lockhart, Alabama or Paxton, Florida. High school seniors attending these schools need to contact their guidance counselors by March 1.

Bob Ell Rhodes Graves Scholarship was established in 1992 by Claudia Graves Crosby. The scholarship is awarded to worthy female students who are in financial need. First preference will be given to Alabama residents.

Ethel Hitchcock Griffin and Michael Redmon Endowed Scholarship was established by Helen G. Harrison in memory of Ethel Griffin and Michael Redmon. Recipients must be enrolled full-time at Troy University and have a financial need. They must also be from Enterprise, Alabama, majoring in education and have a GPA of 2.5. Selection of recipient is made by the Troy University scholarship committee.

Patrick O. Grimes Endowed Scholarship will be awarded to full-time Troy University students with GPA of 2.5. Selection will be made by Troy University scholarship committee.

Mary Freemon Hamilton Scholarship was established by Thomas Hamilton in behalf of the families of Douglas E. Hamilton and Thomas E. Hamilton. The scholarship will be awarded to full-time students who are or whose parents or legal guardians are residents of Crenshaw County and are pursuing a major in early childhood or elementary education. The scholarship is available to undergraduate sophomores, juniors, or seniors with a 2.6 GPA on a 4.0 scale as well as graduate students with a 3.0 GPA on a 4.0 scale.

Martha Reddoch Harlin Memorial Scholarship was established in memory of Mrs. Harlin, a 1942 graduate of Troy State Teachers College, by her husband Edgar F. Harlin of Mobile. Both Mr. and Mrs. Harlin had long and distinguished careers in education. The scholarship will be awarded to students preparing for careers in teaching.

Joseph B. Harrington/Human Services Endowment Scholarship was established by the Department of Human Services and Rehabilitation, the Department of Social Work, and the Troy University Foundation. The purpose of the fund is to assist undergraduate students pursuing majors in human services rehabilitation or social work at the Troy Campus of Troy University. The recipient must maintain a 3.0 GPA. The recipient must be a senior in college at the time of the award. For information on applying, contact the Department of Human Services and Rehabilitation.

Ty Harvey Memorial Scholarship is awarded to full-time students attending the Troy Campus. Recipients must be a junior or senior, majoring in journalism, and have a GPA of 3.0. Must provide scholarship committee with letter of recommendation from their Christian Faith church leader telling how the applicant has worked to "Spread the Gospel." Should also have experienced a personal relationship in the fight against cancer. For more information, contact the Office of Development.

Samuel H. Hendricks Perpetual Scholarship was established by S. Kenneth Hendricks in honor of his father. Mr. Kenneth Hendricks is a long-time supporter of the university. Priority for this award is given to dependents of employees of Henderson, Black & Greene. Applications should be directed to the dean of the Sorrell College of Business.

Mr. and Mrs. L. Shurley Hennigan and Mr. and Mrs. O.W. Morris Family Scholarship for future teachers was established by Mr. and Mrs. Walter K. Hennigan in 1992 to honor their parents and the Hennigan/Morris families. The scholarship is for motivated juniors or seniors who aspire to teach and are majoring in elementary or secondary education.

Donald C. Hines Endowed Scholarship will be awarded to students with a GPA of 2.75 with a declared major in the Sorrell College of Business. The students should also possess a strong work ethic, selfless dedication, a genuine care toward others, humility and should be active within the department. Selection of recipients will be made by faculty and staff members in the Sorrell College of Business in conjunction with the Troy University scholarship committee.

J. H. and Winnie T. Hollis Scholarship was established by the Hollis Family and Brantley Bank and Trust Company. The scholarship will be awarded to full-time students who are graduates from Brantley High School. If there are no eligible graduates from

Brantley High School, the scholarship will be awarded to full-time students from Crenshaw County.

Roscoe and Mattie Howard Scholarship was established by their children Martha Helen Howard Lake, Edwin Howard, and Ralph Howard in honor of their parents. Mattie Howard graduated from State Teachers College in 1953. The scholarship will be awarded to a junior or senior full-time student who is pursuing a major in business education and has a 2.5 GPA on a 4.0 scale. The recipient must be of the Christian faith.

John E. Horne Scholarship was established in 1983 by John E. Horne for the purpose of assisting students at Troy University who are majoring in one of the academic disciplines within the Sorrell College of Business. Mr. Horne was a 1928 graduate of Troy State Teachers College and a long-time friend and supporter of the university. Applications should be directed to the dean of the Sorrell College of Business.

Bettie Hopper Perpetual Memorial Scholarship was established by William F. Hopper in loving memory of his mother, a graduate of the university. Mr. William F. Hopper, a 1972 graduate of Troy University, was the university's senior vice-president financial affairs. The scholarship is awarded to a student majoring in accounting, with preference given to student athletes. Applications should be directed to the dean of the College of Business.

Louis Hopper Scholarship was established by William F. Hopper in honor of his father. It is the intent of the donor that the scholarships go to hard working students who possess the highest character. Recipients must have a 23 ACT and an overall and last term GPA of at least 3.0. Incoming freshmen recipients must have at least a 26 ACT and an overall B average in high school. Preference will be given to student athletes. For information on applying, contact the Department of History.

George M. Hudson Endowed Scholarship was established in 1993 by Mr. Hudson, a 1934 graduate of STC. Mr. Hudson was employed for 43 years in Alabama Department of Education and was a founder of the Troy University's Rehabilitation program. In 1973, he was named Outstanding Alumnus of the Year (Education) at Troy University. The scholarship is awarded to students majoring in rehabilitation. Selection will be made by Troy University scholarship committee.

William R. Hudson Scholarship was established with gifts from the employees of Hudson Industries, Inc., friends of William R. Hudson, and Hudson Industries, Inc., in memory of Mr. Hudson, a graduate of Troy University and president of Hudson Industries, Inc. Preference is given to students who are children of former employees of Hudson Industries, Inc., GPA of 2.5 is required. Selection is made by Troy University scholarship committee.

Sherrod Curtis Huggins Endowed Scholarship will be awarded to students majoring in psychology. Preference will be given to individuals in their junior year. If no students from psychology are eligible, the next preference will be students in their junior year majoring in education. Preference will also be given to students from Butler County. Recipients must be enrolled full-time at Troy University with a GPA of 3.0. Selection of recipients will be made by the Troy University scholarship committee.

Earl Hutto Foundation, Inc. Scholarship was established to assist students pursuing majors in nursing or, upon agreement, in other areas of study. Recipient is required to write a letter to The Earl Hutto Foundation describing his/her personal and family situation and goals in life. The recipient must meet the GPA set by the School of Nursing to be eligible.

Roy E. and Mable I. Jeffcoat Scholarship was established in honor of Mr. Roy Jeffcoat and in memory of Mrs. Mable I. Jeffcoat by Mr. Jeffcoat in 1997. The purpose of the scholarship is to provide financial assistance for students in the College of Education. To be eligible for consideration for this scholarship, a student must have a minimum GPA of 2.5, possess leadership skills and have a demonstrated financial need. Preference is given to students in the Pike County area.

Terry E. and Roland Riley Johnson Memorial Scholarship was established in loving memory by their family. This scholarship is awarded to students from Covington County.

Journalism Scholarship was endowed with contributions made to the Hall School of Journalism. This scholarship is awarded to students concentrating their studies in journalism. Applications should be directed to the director of the Hall School of Journalism.

Kassouf & Co. Scholarship is awarded annually to outstanding and deserving students attending Troy University. The award is based on scholarship and is awarded to junior or senior students majoring in accounting who have a minimum 3.0 overall grade point average. The scholarship was established in 2006 and maintained by David P. and Gerard J. Kassouf of L. Paul Kassouf & Co. P.C. For information on applying, contact the School of Accountancy.

Dr. Emmett Kilpatrick Perpetual Memorial Scholarship was established in his memory by Mrs. John Y. Kilpatrick in 1984 at the request of her late husband Mr. John Y. Kilpatrick, III, Dr. Kilpatrick's nephew. Dr. Kilpatrick was a former professor at TSU. This scholarship is awarded on the basis of academic achievement and financial need.

Dr. Albert Kirby Endowed Scholarship is awarded to students from Coffee County Alabama who are preparing for a career in the sciences, including the teaching of science. Recipients must be enrolled full-time and have a GPA of 3.0. Selection is made by Troy University scholarship committee.

Byron Lee Perpetual Memorial Scholarship was endowed in his memory through memorial gifts from friends and family. He was the son of the Honorable McDowell Lee, Secretary of the Alabama Senate and a Troy University graduate. This scholarship is awarded to worthy and deserving undergraduate students on the basis of academic achievement and financial need.

Dr. Philip Levine Endowed Scholarship in Criminal Justice was established by Dr. Philip J. Levine. The purpose of the scholarship is to assist full-time students pursuing majors in criminal justice.

Luverne Rotary Club Scholarship was established in 1990 to provide scholarships for students from Luverne or Crenshaw County, Alabama. The criteria are academic record, industriousness, character and financial need.

David Mallach Music Scholarship was established by Mr. David Mallach, a 1971 graduate of TSU, for the purpose of assisting outstanding members of the band who excel in academics. Mr. Mallach majored in business administration and was band captain in 1970. He is presently a vice president with Merrill Lynch and Co. The scholarship award is alternated each year between music and non-music majors. The award is based on academic achievement, financial need and participation in either the concert or marching

band. Recipients are selected by the Troy University band staff. Applications should be directed to the director of bands.

Marriott Management Scholarship is endowed by the Marriott Corporation. This scholarship is awarded to management majors with at least junior standing. Applications should be directed to the dean of the Sorrell College of Business.

Harrel McKinney Technology Scholarship was established by Harrel McKinney, a 1962 graduate of the university, for the purpose of endowing a medical technology scholarship. He is general manager of Alabama Reference Laboratories, Inc., a firm he founded in 1972. This scholarship is awarded to students majoring in medical technology. Applications should be directed to the chair of the Department of Biological Sciences.

Dorsey Bishop Melton, Sr. Scholarship was established by the Bette M. Melton Living Trust. The scholarship will be awarded to a full-time junior or senior student who is or whose family is an Alabama resident.

Merchant Capitol Endowed Scholarship is awarded to students majoring in Business. The recipient must have and maintain a GPA of 2.5, be at least a rising sophomore and have a financial need. Selection will be made by the Troy University scholarship committee.

Dr. Imogene Mathison Mixson Endowed Scholarship was established by Dr. Mixson, a 1959 graduate of Troy State College and long-time educator in the Wiregrass. This scholarship will be awarded to full-time students majoring in education. Recipients must have graduated from a high school in the Wiregrass area and demonstrated the character, motivation and abilities for a promising career in education. GPA 2.5. Selection will be made by Troy University scholarship committee.

Herbert and Margaret Moore Scholarship was established to assist African-American students pursuing majors in Business from south Alabama. GPA of 3.0. Selection of recipient is made by the Troy University scholarship committee.

Alice Dunbar Moseley Perpetual Memorial Scholarship was established in her memory by her family. This scholarship is awarded on the basis of financial need and academic achievement.

National Alumni Association Endowment Scholarships were established by the National Alumni Association to attract students to the university. These scholarships are renewable for four years, provided these minimum requirements are met: 23 ACT or 1000 SAT and 3.3 GPA on a 4.0 scale. These scholarships are available to freshmen only. Preference will be given to immediate family members of alumni. Direct inquiries to the Office of Enrollment Services or the Office of Alumni Affairs.

NDIA Endowed Scholarship to provide scholarships for deserving fully-time Troy University students having hometown residence in that portion of Northwest Florida identified as the Emerald Coast, and being served by the Emerald Coast Chapter of Troy Alumni. Applicants shall be from Okaloosa County, Walton County, or Navarre, FL. Applicants must have and maintain a GPA of 2.8 as of semester prior to application. Applicants must write an essay consisting of 250-500 words, typed, describing their educational and career goals and how this award will help achieve them. Applicants must have participated in a minimum of forty (40) verifiable hours of community service, on or off campus, in the preceding academic year. Applicants must submit two letters of recommendation.

R. O. Nicholas Scholarship was established in honor of and in memory of Mr. R. O. Nichols by Neal Nichols in 1997. The purpose of the scholarship is to provide financial aid for students at Troy University. To be eligible for consideration for this scholarship, a student must be from a Coffee County high school with a minimum 3.0 GPA and a 19 or better ACT score.

Foundation Nursing Scholarship The recipient must be enrolled in the ASN or BSN Clinical Nursing Sequence, successfully completed the first semester of the ASN or BSN Clinical Nursing Sequence and achieved an overall GPA of 3.0. Contact the School of Nursing for application information.

Parmer Education Scholars Award The recipient must be an entering freshman in Troy University and an Alabama resident. Must maintain a B average with a major in education.

Thomas E. Peeks Scholarship was established by him to benefit academically outstanding students who are majoring in accounting. Mr. Peeks served as the Troy University vice president for financial affairs for many years. Applications should be directed to the chair of the Department of Accounting and Finance.

Hugh Vernon Quarles Scholarship was established in memory of him by Dr. A. Derrill Crowe because of Mr. Quarles' positive influence on young men growing up in the Pike County community. Dr. Crowe is a Birmingham physician and a Troy native. The scholarship is awarded to underprivileged young men who have a good academic record in high school, are of good character, and have demonstrated leadership ability and community involvement. Preference is given to residents of Troy, Alabama.

Larkin L. Reese Scholarship was established by Carl E. Reese, Jr. in 1973. It is the intent of the donor that the scholarships go to hard working students who possess the highest character and need financial help. Recipients must have a 23 ACT and an overall and last term grade point average of at least a 1.5.Incoming freshmen recipients must have at least a 24 ACT and an overall B average in high school.

Gregory Glenn Riley Scholarship was established through a planned gift from the estate of Hazel Sexton Riley, the mother of Gregory Riley. It is awarded to students enrolled full-time with a 2.8 GPA. Preference is given to students majoring in Psychology. Selection will be made by the Troy University scholarship committee.

Joan Robertson Endowed Scholarship was established by the estate of John Leofsky. Recipient must be an English major. Entering freshmen should have a GPA of 3.5 and/or an ACT score of 22 or higher. Currently enrolled undergraduate students should have a GPA of 3.0. Selection of recipient is made by the Troy University scholarship committee.

Hugh G. Rose Endowment Scholarship was established in 1990 through the generosity of Mr. Rose, a Troy University alumnus, with the purpose of providing financial assistance to students. It is awarded on the basis of financial need and academic achievement. An essay must be written on the tangible and intangible benefits of the free enterprise system.

Michael Russell Music Award was established in 1996 by Mr. and Mrs. Thomas W. Russell in memory of their son, a 1989 graduate of Troy University. This scholarship is awarded to a student who has been accepted to a program in music, exhibits academic merit, and demonstrates financial need. First preference for the

award will be given to students from Crenshaw County. Applications should be directed to the director of the School of Music.

Cowart and Georgia Sanders Endowed Scholarship in Nursing will be awarded to full-time students enrolled in the BSN program with a GPA of 3.0. Recipients must be a United States citizens and be at least a five-generation American. Must also perform 10-12 hours each semester in community service related to the nursing field (community service cannot be in facilities which provide abortions). Selection will be made by committee of faculty members from the School of Nursing.

Alfred L. Shell Endowed Scholarship is awarded to graduates of Excel High School in Monroe County, Alabama, who are attending Troy University. Recipients must demonstrate financial need, be of good character, be recommended by a high school faculty member, and have obtained unconditional admission to Troy University. The scholarship was endowed by Charles K. Green, a successful business man who graduated from Excel High School and TSU (Class of 1966).

Blanche Reynolds Solomon Perpetual Memorial Scholarship was established by Mr. R.E. Solomon in memory of his beloved wife, an alumna of Troy University. This scholarship is awarded on the basis of financial need and academic achievement. Preference is given in the following order: Headland High School graduates, Henry County school graduates, south Alabama high school graduates.

Joe R. and Barbara Sport Scholarships is awarded to Troy University students who graduated from a public school in Crenshaw County, Alabama. Must have strong work ethics and demonstrate good citizenship, attitude and integrity. GPA 2.5. Selection is made by Troy University scholarship committee.

Patricia Starck Endowed Scholarship was established through the generosity of Jim Bockman, an alumnus of the university, member of the Foundation board of directors, and the University's Alumnus of the Year in the business category in 1991. This scholarship is awarded to a student enrolled in the School of Nursing. Applications should be directed to the director of the School of Nursing.

State Farm Endowed Scholarship was established to assist students majoring in risk management and insurance. The recipient must maintain a 3.0 GPA. For information on applying, contact the Department of Risk Management and Insurance.

Elton B. Stephens Sales and Sales Management and Marketing Scholarship was established through Mr. Stephen's generosity. Mr. Stephens is president of EBSCO industries and was named the Outstanding Alabama Philanthropist in 1985. This scholarship is awarded to students in financial need and who are pursuing a degree in marketing. Applications should be directed to the dean of the Sorrell College of Business.

Cathy Lynn Stewart Scholarship was established by Congressman William L. Dickinson in memory of Cathy, a 1979 graduate of Troy University and a member of Congressman Dickinson's staff. This scholarship is awarded to a student whose studies are in the field of political science.

Brian Stroud Perpetual Memorial Scholarship was established in his memory by his family and friends. This scholarship is awarded to a student from Goshen High School on the basis of financial need and academic achievement.

A.W. and Florence Tate Scholarship was endowed by Mrs. Claire Tate Ware in loving memory of her parents. This scholarship is awarded to a student who is a graduate of a Dale County High School, has financial need, and has shown academic achievement.

Frances Sanders Tidwell Scholarship will be awarded to a native of Pike or Montgomery counties, AL. Recipient must be majoring in Education, Nursing, or Computer Science (1st preference is Educ). GPA 2.5 . Selection is made by University scholarship committee.

G. Frank Smyth Endowed Scholarship was established by a gift from Riviera Utilities to honor G. Frank Smyth, a member of the board of directors for 40 years and a former student of Troy University. The scholarship will provide assistance to full-time students with their educational expenses, who reside in Baldwin County, and whose immediate family receives service from Riviera Utilities.

Alice G. Thornton Art Scholarship was established by Jeanie Lemon in 1968. It is the intent of the donor that the scholarships go to hard working students who possess the highest character and need financial help. Recipients must be art majors and must maintain an overall and last term grade point average of at least a 3.5. For information on applying, contact the Department of Art and Design.

Troy for Troops Scholarship was established to honor the memory of all veterans and in particular to honor those killed in a helicopter crash in Afghanistan in the summer of 2011. The purpose is to assist students who have a parent who was wounded in the line of duty while serving in a branch of the US military. The recipient must be enrolled full-time, have/maintain a GPA of at least 2.5 and have demonstrated a need for support to fund his education. The recipient will be selected by the University Scholarship Committee. The Committee may deviate circumstances/hardships with the participation of the Director of Troy for Troops.

Dr. John P. and Ruby A. Tucker Endowed Scholarship Recipient must be majoring in education. Entering freshman must have a 2.5 GPA and/or ACT of 18. Current students must have a 2.5 GPA.

Marjorie Holland Turner Scholarship was established by Edward L. Turner, Jr. Marjorie Holland Turner received her B.S. in education from Troy State University in 1950 and taught for many years in the Crenshaw County schools. Scholarships will be used to benefit students who are residents of Crenshaw and/or Pike counties, Ala., and who are pursuing majors in the College of Education at Troy University.

Voiture Locale 1542 Nursing Scholarship was established by the Prattville Voiture Locale 1542 in 1984. The scholarship is awarded to hard working nursing students in the baccalaureate program who possess the highest character and need financial help. Preference is given to students in the following order: residents of Autauga County; residents of Montgomery, Elmore, or Chilton counties. Applications should be directed to the director of the School of Nursing.

Christopher T. Warden Scholarship is awarded annually to outstanding and deserving students attending Troy University. The award is based on scholarship and financial need and is awarded to students majoring in print journalism and who maintain a minimum 3.0 overall grade point average. The Scholarship was established in 2009 in memory of professor Christopher (Chris) T. Warden, who served on the faculty of the Hall School of Journalism and

Communication from 2002 until 2009. Contact the Hall School of Journalism and Communication for information.

Lois C. Watkins Scholarship was established by the Pike County Nurses Society in tribute to Ms. Watkins. This scholarship is awarded to juniors or seniors in the nursing program or a registered nurse continuing his/her education toward the BSN or MSN degree. Preference is given to residents from Pike County. Inquiries should be made to the director of the School of Nursing.

Anne White Scholarship was established to provide scholarships for Troy University students active in Troy University musical theater. The benefactress of the scholarship was Mrs. Anne White of Troy. For information on applying, contact the Department of Speech and Theatre.

Paul Yoder Memorial Scholarship was established by Dr. Paul Yoder, an international bandsman who was distinguished visiting professor at TSU for many years. This scholarship is awarded to a member of Kappa Kappa Psi on the basis of financial need and outstanding character. Recipients are selected by the band staff. Applications should be directed to the director of bands.

Roselyn Yoder Memorial Scholarship was established by Dr. Paul Yoder in 1978 in memory of his wife. Dr. Yoder was a world renowned composer and arranger of band music, the father of the band movement in Japan, and a former distinguished professor of music at Troy University. This scholarship is awarded to a junior or senior who is a member of Tau Beta Sigma and is an outstanding band member. Applications should be directed to the director of bands.

Wells Fargo Education Endowed Scholarship Wells Fargo Education Endowed Scholarships are awarded annually to outstanding and deserving students at Troy University who are female and/or students of color. Recipients must have a minimum 3.0 GPA. Wells Fargo Education Endowed Scholarships were established in 2007.

Joseph and Josephine Cervera Endowed Scholarship will be awarded to students who have financial need. Recipient must have a GPA of 3.0 and be at least a rising sophomore. Selection will be made by Troy University scholarship committee.

The Jordan McBride Endowed Accounting Scholarship was established through personal donations from the partners, associates and staff at Carr, Riggs & Ingram's Enterprise location in memory of their beloved colleague Jordan McBride, who passed away on July 13,2015. This scholarship will be awarded annually to a deserving student in the Master of Accountancy Program with a 3.0 GPA. Selection will be made by the School of Accounting scholarship committee.

Eleanor Vaughn Crawford Endowed Scholarship will be awarded to students who are juniors and seniors, pursuing a predental or pre-medical major in the College of Arts and Sciences. Recipients must have and maintain a GPA of 3.4 with a 3.5 average in all science and math courses taken. Recipients are required to write a 2-3 page essay explaining why they should be considered for this scholarship and what they hope to accomplish with their education. Selection of recipient will be made by the College of Arts and Sciences.

Bess and Terry Mizelle Jazz Ensemble Endowed Scholarship will be awarded to students majoring in Music, be a member of the Jazz Ensemble, at least a rising sophomore, have financial need. GPA 2.5. Selection of recipient will be made by the University scholarship committee with nominations from the Jazz Ensemble Director.

Stanhope E. Elmore, Jr. Memorial BSN Scholarship will be awarded to students that have been accepted to the BSN Clinical Sequence on the Troy University-Dothan campus. Recipients must be enrolled full-time and have a GPA of 3.0. Recipients are not eligible to reapply the following academic year. Selection of recipients will be made by the faculty/staff of the BSN program on the Troy University-Dothan campus.

Fitzhugh and Essie Carter Endowment Scholarship The purpose of this scholarship is to assist students who are entering their Freshman year on the Troy Campus in Troy, Alabama. The recipient must maintain a GPA of 3.0. Applicants must provide 2 letters of recommendation. One from a high school guidance counselor and the second from a person of the applicant's choosing. Applicants must be able to document 30 hours of community service/civic engagement during the last 3 years of high school.

Patrick Smith Endowed Scholarship for Rodeo is to assist students from the State of Alabama who have participated in the sport of rodeo during high school and who will be attending the Troy University campus in Troy, Alabama. The recipient must have and maintain a minimum GPA of 2.5. Recipients will be selected by the Troy University Scholarship Committee. Applicants must provide proof of participation in high school rodeo and preference will be given to those involved in rough stock events.

Kenneth Duane Johnson Sigma Chi Endowment is to assist students who on the Troy University campus in Troy, Alabama who are freshmen pledges and need financial assistance to cover the cost of joining the Sigma Chi Fraternity. Recipients must meet all standards and requirements of the Sigma Chi Fraternity.

Cheryl Colley DiChiara Endowed Scholarship for Nursing is to assist who have been accepted to the Nursing Program at Troy University. Applicants must show proof of admission into the clinical sequence of classes within the Nursing Program. Preference will be given to applications of qualified students from Pike County or Lee County, Alabama. If no qualified applications from Pike or Lee counties are received, then applicants from outside of the geographic area will be considered. Recipients must have and maintain any and all GPA requirements as listed by the acceptance and continuation policy of the nursing school.

Maj. Jesse Flanigan, IV Memorial Endowed Scholarship is to assist African-American male students from Atlanta Public Schools or Woodward Academy who are enrolled and enlisted in the Air Force ROTC on the Troy University campus in Troy, Alabama. Recipient must maintain a minimum GPA of 2.8. First preference will be given to African-American males enlisted with the Air Force ROTC. Second preference will be given to African-American males with a family military background. Third preference will be given to an African-American male or female student with a family military background- ROTC enrollment if possible. Selection will be made by Troy University scholarship committee. Scholarships will be needs-based and a copy of FAFSA application must be provided.

Hall Stewardship Endowed Scholarship is to assist a Wiregrass Area (Coffee, Dale, Henry, Geneva, and Houston Counties) single parent who is a student attending the Troy University campuses in either Troy or Dothan, Alabama. Recipient must maintain a minimum GPA of 2.8.

Sarah Ann Whaley Memorial Endowed Scholarship is to assist students obtaining a degree in music on the Troy, Alabama campus of Troy University. Recipient must maintain a minimum GPA of 3.0.

Robert E. and Irene Thagard Lindsay Endowed Scholarship is to assist students obtaining a degree from the College of Education or an international student on the Troy, Alabama campus of Troy University. Recipient must maintain a minimum GPA of 2.8. Selection will be made by Troy University scholarship committee. Each applicant will be required to write an essay of between 200-450 words on the topic of "What This Scholarship Will Mean to Me".

John P. Cross Endowed Scholarship is to assist students who have demonstrated a need for support to fund education. Recipient must maintain a minimum GPA of 2.5 and be at least a rising sophomore. The recipient must be from the either of the following states: Alabama, Georgia, Florida, Mississippi, Tennessee, South Carolina, North Carolina, Virginia, Kentucky, Arkansas or Louisiana.

Dothan Civitan "Earl Butterworth" Endowed Scholarship is to assist full-time students from Houston, Dale and Geneva counties who are enrolled on any campus of Troy University. Scholarships will first be awarded to student with special needs who must maintain a minimum GPA of 2.5. Second consideration will be given to students who are pursuing a degree with a focus on special needs who must have and maintain a minimum GPA of 3.0. The recipient will be selected by a committee composed the Troy University Scholarship Committee, TROY Foundation, and a representative of the Dothan Civitan Club. Applicants with special needs must submit a 300-word essay on, "How My Disability Has Affected My Educational Journey." Applicants pursuing a degree with a focus on special needs must submit a 300-word essay on, "Why I Chose a Degree to Help Those with Disabilities."

Murray and George R. O'Neal Mathematics Endowed Scholarship is to assist full-time students with a declared major in Mathematics or Mathematics Education on the Troy university campus in Troy, Alabama. Applicants must be resident of Alabama or Florida and must be enrolled in a Mathematics course of Calculus or higher and must enroll in a mathematics course each semester until Mathematics requirements are met. The recipient must maintain a minimum GPA of 2.75 and must have and maintain a minimum GPA of 3.0 in the Mathematics or Mathematics Education major.

Alabama Broadcasters Association Endowed Scholarship is to assist students who are enrolled in communication with a focus on either radio or television on the Troy University campus in Troy, Al. Priority of consideration will be given to a junior or senior student from the state of Alabama. The recipient must maintain a minimum GPA of 3.0.

John B. Mazyck Leadership Endowed Scholarship is to assist students who demonstrate a servant's heart and a financial need who are from the Montgomery, Alabama area and who are enrolled at Troy University, attending classes at either the Troy or Montgomery, AL campus locations. The recipient must maintain a minimum GPA of 3.0. The recipient will be selected by a committee composed of members of the Troy university Scholarship Committee as well as a representative appointed by John Mazyck. Applicants must submit proof of community service hours and two recommendation letters from volunteer or service project organizations.

Dake Davis Memorial Endowed Scholarship is to assist incoming freshman attending the Troy Campus in Troy, Alabama from Brantley, Al or Crenshaw County. The recipient must maintain a minimum GPA of 2.8.

"Forever First" Endowed Scholarship is to assist students at any Troy University campus who are direct descendants of any member of the 1968 National Championship Football Team. The recipient must maintain a minimum GPA of 2.5. The recipient will be selected by a committee composed of members of the Troy university Scholarship Committee as well as members of the 1968 National Championship Football Team. Applicants must write a 300-500 word essay describing their vision for how they will use their degree after completion of their education.

William Lloyd Etheredge Memorial Endowed Scholarship is to assist incoming freshmen with a music industry major on the Troy, Alabama campus of Troy University. Preference will be given to students studying piano or trumpet, but if none are eligible then other instruments will be considered. The recipient must maintain a minimum GPA of 2.8. Recipients must submit a 500 word essay on "Why Music is Important to me and the role it plays in my life."

Paul W. and Tara J. Elliott Leadership Endowed Scholarship is to assist full-time students who are attending the Troy University campus in Troy, AL. The recipient must maintain a minimum GPA of 2.8. The recipient will be selected by a committee composed of members of the Troy university Scholarship Committee and the Office of Development. Applicants must show proof of leadership and community service through two recommendations. Applicants must write a 500-word essay on Leadership by providing an example of a leader in their life and how that leader has been important to them.

John Browning Endowed Scholarship is to assist students who are incoming freshmen on the Troy Campus. The recipient must maintain a minimum GPA of 3.2.

General Edward F. Crowell Business Leadership Endowed Scholarship is to assist students who are incoming freshmen on the Troy Campus obtaining a business degree from the Sorrell College of Business. The recipient must maintain a minimum GPA of 2.8. The recipient will be selected by a committee composed of members of the Troy University Scholarship Committee and the Dean of the Sorrell College of Business. Applicants must provide proof of community service and leadership through a minimum of 2 recommendation letters.

J. Chad Jones Endowed Leadership Scholarship is to assist students from the counties served by First Bank of Alabama to include: Talladega, Calhoun, Clay, Randolph and Chilton, as well as any other counties the bank may serve in the future. Students must be pursuing a degree within the Sorrell College of Business on the Troy University campus in Troy, AL. The recipient must maintain a minimum GPA of 2.8. The recipient will be selected by a committee composed of members of the Troy University Scholarship Committee. Applicants must show proof of leadership and community service through two recommendations.

Dr. Lydia E. Weisser Graduate MBA Endowed Scholarship is to assist non-traditional students who do not have an undergraduate degree is a business-related field but who are pursuing their MBA through the Sorrell College of Business in either an online or in-person platform at the Troy University campus in Troy, Alabama.

Lauren and Seth Parker Community Leadership Endowed Scholarship is to assist students who are incoming freshmen, who are attending the Troy University campus in Troy, AL. The recipient must maintain a minimum GPA of 3.2. The recipient will be selected by a committee composed of members of the Office of Admissions, as well as, a family representative of Lauren and Seth Parker. Applicants must submit a 500-word essay on "How a College Education Will Change My Life."

Roy W. Cain, Jr. Endowed Scholarship is to assist students who demonstrate a servant's heart and a financial need who are pursuing a Business, Marketing, Finance, or Accounting Degree from the Sorrell College of Business on the Troy University campus in Troy, Alabama. The recipient must maintain a minimum GPA of 3.0. The recipient will be selected by a committee composed of members of the Troy University Scholarship Committee. The scholarship will be need-based as demonstrated by a FAFSA application. Applicants must show proof of community service hours and a recommendation letter from a volunteer or service project organization that the student has worked with in the past two years.

Harrel McKinney Entrepreneur Endowed Scholarship is to assist students enrolled in an entrepreneurship minor or students with approved businesses operating in the IDEA Bank. The recipient must have and maintain a minimum GPA of 2.8.

Sherri Ingram and Barry Scarborough Endowed Scholarship is to assist incoming freshman from Polk County, Florida who are attending the Troy, Alabama campus of Troy University and who might not otherwise have the opportunity to attend college. If an application is not received from a student residing in Polk County, next preference will be given to students from the State of Florida. This award will be renewable for 4 years based on recipients' eligibility. The recipient must maintain a minimum GPA of 2.8. The recipient will be selected by a committee composed of members of the Troy University Scholarship Committee. Applicants must submit a 500-word minimum essay titles "How I Define Leadership and What It Means to Me."

Panama City Beach Optimist Club Leadership Endowed Scholarship is to assist students from Bay County, Florida who are attending any campus location of Troy University. The recipient must maintain a minimum GPA of 3.0. The recipient will be selected by a committee composed of members of the Troy University Scholarship Committee. First preference will be given to minority students. Will be need-based or merit-based.

The Baldwin-Kent-Shepherd-Toles-Felicia L. Burks Endowment Scholarship is to assist incoming freshman students on the Troy, Alabama campus of Troy University that might not otherwise have the opportunity to attend college. The recipient must maintain a minimum GPA of 3.0. The recipient will be selected by a committee composed of members of the Troy University Scholarship Committee. First preference will be given to minority students. Will be need-based as demonstrated by a FAFSA application/approval. Applicants must submit a 500-word minimum essay titled "Why A College Education is Important to Me."

Robert Butterworth Endowed Scholarship for the Sorrell College of Business is to assist students, priority will be given to students from Shelby County, who are enrolled in the Risk Management and Insurance Program in the Sorrell College of Business on the Troy campus in Troy, AL. If there are no students from Shelby County, then students from other counties in Alabama can apply. The recipient must maintain a minimum GPA of 2.8. The recipient will be selected by a committee composed of members of the Troy University Scholarship Committee and a designated member from the RMI Faculty. Will be need-based as demonstrated by a FAFSA application/approval.

Xi Beta Alumni Association Endowed Scholarship is to assist students that are active members of the Xi Beta Chapter of Alpha Phi Alpha Fraternity, Inc., are descendants (children, grandchildren) of any Xi Beta Chapter of Alpha Phi Alpha Fraternity, Inc. initiated member, or the descendants of any financially active member of Alpha Phi Alpha Fraternity, Inc. This will be verified by information in the membership portal. The applicants must have and maintain a minimum GPA of 3.0. Applicants must submit a 500-word minimum to 1000-word maximum essay on one of the most pressing issues facing America at the time of their application. Applicants must submit a brief narrative describing one situation where they had to serve as a leader and expound upon how it impacted them holistically.

Cecile Billy and Katherine Pennington College of Education Endowed Scholarship is to assist students who are incoming freshman who plan to declare a major in education with the intent to teach and will enroll in the College of Education on the Troy Campus in Troy, Alabama. Recipients must have and maintain a minimum 3.0 GPA. Selection will be made by the Troy University Scholarship Committee. Applicants must submit a one-page essay listing the teacher that had the greatest impact on their life and why.

Monroe County Troy Alumni Chapter Endowed Scholarship is to assist students from Monroe County who are incoming freshman on the Troy University Campus in Troy, Alabama. Recipients must have and maintain a minimum 2.8 GPA.

Joseph Barnett Weaver, Jr. Endowed Scholarship is to assist students who reside in Monroe, Conecuh, or Escambia county, Alabama, and will be attending the Troy University Campus in Troy, Alabama. Recipients must have and maintain a minimum 3.0 GPA. Applicant is required to write an essay describing why they are applying for this scholarship, how it will benefit their future plans, why they chose Troy University and a description of their leadership roles and service to their community. Applicants must also include how receiving the scholarship would assist them financially in obtaining their education and whether they anticipate having to obtain student loans while attending Troy University.

Southeast Gas Endowed Troy University IDEA Bank Scholarship is to assist students who are enrolled in classes with a declared minor in entrepreneurship and have selected to participate in the IDEA Bank entrepreneurship project/curriculum on the Troy Campus in Troy, Alabama. Recipients must have and maintain a minimum 3.0 GPA. Scholarships will be awarded to students that reside within the following geographical area: Barbour, Butler, Chambers, Crenshaw, Coffee, Conecuh, Covington, Dale, Elmore, Escambia, Geneva, Henry, Houston, Lee, Lowndes, Macon, Montgomery, Pike and Russell Counties. The cities of Abbeville, Andalusia, Brundidge, Dothan, Elba, Enterprise, Eufaula, Ft. Deposit, Greenville, Headland, Luverne, Opp, Ozark and Troy. In addition, Southeast Gas has franchise agreements with Ashford, Baker Hill, Brantley, Coosada, Cottonwood, Daleville, Gantt, Glenwood, Level Plains, Midland City, Montgomery, Napier Field, New Brockton, Newton, Newville, Opelika, Pike Road, Pinckard, Red Level, Rehobeth, River Falls, and Rutledge. The recipient will be selected by a committee composed of members of the Troy University Scholarship Committee and a Southeast Gas representative. Applicants must submit a letter of recommendation from a Troy University faculty member.

The Heersink Family Graduate Certificate Program Endowed Scholarship in Health Services Management is to assist students in the Dothan are who want to pursue this certificate program on the Troy University Campus in Dothan, AL. The recipient must maintain a minimum GPA of 3.2. The recipient will be selected by the Dean's office in the Sorrell College of Business. Recipient is required to write a letter of appreciation to the scholarship donor and must attend the scholarship donor and recipient reception. Preference shall be given to residence in the Dothan area with interest in healthcare administration in a private or non-public or non-hospital setting. This is a one-time, nonrenewable scholarship.

Bill A. Pennington Endowed Scholarship is to assist students with a financial need on any Troy University campus in Alabama. This scholarship is meant for students who would otherwise not be able to attend Troy University and pursue a higher education. Recipients must have and maintain a minimum 3.0 GPA. The recipient will be selected by a committee composed of members of the Troy University Scholarship Committee. Applicants must submit a 250 to 400 word essay describing how being awarded this scholarship will assist them in pursuing their education. Applicants must submit two letters of recommendation from a high school counselor/advisor/teacher.

Jim and Linda Weeks Clayton Endowed Scholarship is to assist a male and a female first-generation college student, military personnel, veteran, or dependents of military personnel or veteran of military services. Recipients must have and maintain a minimum 3.25 GPA. The recipient will be selected by a committee composed of members of the Troy University Scholarship Committee, Troy University Foundation, a Clayton family representative. Applicants must submit a 250 to 400 word essay describing how being awarded this scholarship will assist them in pursuing their education. Applicants must submit two letters of recommendation from a high school counselor/advisor/teacher/recruiter or someone of equal stature.

Jamie Edwards Condon Education Leadership Endowed Scholarship is to assist students from Opelika High School majoring in education on the Troy Campus in Troy, Alabama. If no one qualifies from Opelika High School, students residing in Lee County may be considered. Recipients must have and maintain a minimum 3.0 GPA. The recipient will be selected by a committee composed of members of the Troy University Scholarship Committee, a College of Education faculty member and a family representative. Applicants must submit a 200 to 400 word essay describing their background and education goals.

Betty Gissendanner School of Nursing Endowed Scholarship is to assist first year nursing students that have been admitted to the School of Nursing on any Troy University campus in Alabama. Recipients must have and maintain a minimum 3.0 GPA. The recipient will be selected by a committee composed of members of the Troy University Scholarship Committee. Applicants must submit a 250 to 400 word essay describing what the scholarship means to them and how being awarded the scholarship will affect their career goals.

Doug and Cecilia Williamson Endowed Scholarship is to assist full-time Troy University students having a hometown in Dale, Monroe, Marengo, or Elmore County, Alabama, a financial need and are attending school on any Troy Campus in Alabama. Recipients must have and maintain a minimum 2.8 GPA. The recipient will be selected by a committee composed of members of the Troy University Scholarship Committee. Applicants must submit a one-page letter describing their financial need and how the scholarship will benefit their future goals.

B N Saran Endowed Scholarship for Students from India Pursuing STEM Majors is to assist students who have and must maintain a minimum GPA of 3.5, have completed 24 hours at Troy University, and who are undergraduate students from India on a F-1 Visa pursing STEM majors in the School of Science and Technology on the Troy campus in Troy, AL. Recipient will be awarded by a committee composed of members of the Troy University Scholarship Committee and a representative from the STEM Majors. A 200-400 word essay must accompany the application, describing the importance of the scholarship to the applicant and how it will impact his/her studies.

Douglas L. Mims Endowed Accounting Scholarship is to assist students who have and must maintain a minimum GPA of 3.0 and who are accounting students who have been unconditionally admitted to the Master of Accountancy program in the Sorrell College of Business on the Troy campus in Troy, AL.

Carylon and Grady Williford Endowment Scholarship is to assist students who have and must maintain a minimum GPA of 3.0 and who are incoming Wiregrass freshmen on the Troy campus in Troy, AL.

Reggie and Vicki Williams Endowed Scholarship is to assist students who have and must maintain a minimum GPA of 2.8 and who participate in study abroad during their sophomore, junior or senior year on the Troy, Dothan, Phenix City and Montgomery campuses in Alabama.

MedJet Study Abroad Endowed Scholarship is to assist students who have and must maintain a minimum GPA of 2.8 and who participate in study abroad during their sophomore, junior or senior year on the Troy, Dothan, Phenix City and Montgomery campuses in Alabama.

Hill Crest Foundation Nursing Endowed Scholarship is to assist students who have and must maintain a minimum GPA of 3.0 and who are pursing either their undergraduate or master's nursing degree on the Troy campus in Troy, Alabama. Selection of recipients will be made by Troy University Foundation Scholarship Committee. Applicants must submit a one-page letter describing what being awarded the scholarship will mean to them, as well as how the scholarship will benefit their future goals.

Keith Roling Community Leadership Endowed Scholarship is to assist students who have and must maintain a minimum GPA of 2.8 and who exhibit leadership characteristics in their community and are attending the Troy Campus in Troy, Alabama. Selection of recipients will be made by Troy University Foundation Scholarship Committee. Applicants must submit a one-page essay on how giving back to the community has influenced and shaped their life. Students must submit two letters of recommendation and a listing of 48 community/civic volunteer hours or more from the three previous years.

Carol Baker Humphrey Endowed Scholarship is to assist students who have and must maintain a minimum GPA of 2.8 with preference given to single parents, on the Troy campus in Troy, AL. Selection of recipients will be made by Troy University Scholarship Committee. Recipient will be required to submit a one-page letter describing their financial need and how the scholarship will benefit their educational goals.

Electronics Engineering Technology Endowed Scholarship is to assist students who have and must maintain a minimum GPA of 2.8 and with a major in electronics engineering technology in the

School of Science and Technology, or, upon agreement, in other areas of study on the Troy University campus in Troy, Alabama.

Chi Yon Kim "Ms. Kimmy" Endowed Scholarship is to assist incoming South Korean freshmen on the Troy Campus in Troy, AL. Must maintain a minimum GPA of 2.8. Selection of recipients will be made by Troy University Scholarship Committee. Applicants must submit a one-page letter describing their leadership roles, service to their community and citizenship, as well as how the scholarship will benefit their future goals.

Richard Frank Cervera Endowed Scholarship is to assist students who must maintain a minimum GPA of 3.0 and who are incoming freshman on the Troy Campus in Troy, AL. Applicants must submit a one-page letter describing their leadership roles, service to their community and citizenship, as well as how the scholarship will benefit their future goals.

Corey McCullers Memorial Endowed Scholarship is to assist students who must maintain a minimum GPA of 3.0 and who are graduating from Elmore, Autauga, and Montgomery Counties, Alabama high schools. Preference is given first to Holtville High School graduates, second to other applicants who are graduates of Elmore County area high schools and then other tri-county high school graduates from Autauga and Montgomery Counties (preferably with involvement in high school sports). The recipient must have a score of 22 on the ACT and an unconditional acceptance to Troy University on the Troy Campus in Troy, AL. Applicants must submit two letters of recommendation from non-relatives to the scholarship committee. Recipient is required to write a letter of appreciation to the scholarship donor and attend the scholarship brunch held each year. The recipient must also write a 50 to 100-word short essay on "Why I want to attend Troy University."

Jay Floyd Memorial Scholarship is to assist students graduating from Sparta Academy and Hillcrest High School in Conecuh County, Alabama. The recipient will be selected by a committee composed of members of the Troy University Scholarship Committee and the Conecuh Alumni Chapter so long as they continue as an active chapter. Applicants for the scholarship must be residents of Conecuh County for the previous two years and must be a senior at Sparta Academy or Hillcrest High School and have been so for a minimum of the previous two years and must already be accepted to attend Troy University at the Troy Campus in Troy, AL. Must be a graduating senior as stated forthwith and enrolled for the fall semester following graduation from high school. No GPA is required and shall not be used in consideration of the scholarship. The scholarship shall be based upon school involvement, extracurricular activities, community service, awards and recognitions, and recommendations from 2 teachers from Junior or Senior years of high school.

J. C. Wilkes, Ph.D. Endowed Scholarship is to assist students who are majoring in Math/Science on the Troy campus in Troy, AL. Recipient must maintain a minimum GPA of 2.8. The recipient will be selected by the Troy University Scholarship committee. Recipient must submit a one-page letter describing their leadership roles, service to their community and citizenship, as well as how the scholarship will benefit their future goals.

Susan K. and Roy M. Gallagher Leadership Endowed Scholarship is to provide funding to incoming freshman on the Troy campus in Troy, AL who must maintain a minimum GPA of 3.0. The recipient must submit a one-page letter describing their leadership roles, service to their community and citizenship, as well as how the scholarship will benefit their future goals.

Trojan Tailgaters Alumni Endowed Scholarship is to provide funding to deserving full-time students who must maintain a minimum GPA of 2.7. The recipient must complete a typed 250-500 word essay describing what the Trojan Warrior Spirit means to them, must participate in two or more extracurricular activities, and must be involved in community service. Two letters of recommendation are required. The recipient will be selected by the University Scholarship committee.

Dr. Fred and Debi Green Sport Management Scholarship is to provide funding to students who are classified as a sophomore or higher and are pursuing majors in Sport Management at the Troy campus in Troy, AL. The recipient must be enrolled in the sport management program and have completed a minimum of two semesters at Troy University. The student must maintain a GPA of 3.2. Selection committee will be composed of a member of the Foundation Board, Admissions, and department representative. Applicants must submit an essay of 200-400 words on "How This Scholarship Will Impact My College Career", and must write a letter of appreciation to the scholarship donor and must attend the scholarship donor and recipient reception held each year.

Roy M. Gallagher, Jr. TROY for Troops Endowment Scholarship is to provide funding to students who have served or are currently serving in any branch of the military or their spouses. The recipient must maintain a minimum GPA of 2.8.

Stacey M. Cernadas Memorial Endowed Scholarship is to provide funding to students pursuing majors in the School of Nursing at the Troy Campus in Troy, AL. Must maintain a grade point average of 2.8. An essay of 250-400 words on "What This Scholarship Will Mean to My Academic Success" is required for the scholarship selection committee's review.

Fred B. Davis Pre-Law Scholarship is to provide funding to students in Pre-Law with a preference for English majors at the Troy campus in Troy, AL. Preference will also be given to female students who come to Troy from rural areas. Recipients must maintain a GPA of a 3.0. Selection will be made by a scholarship committee, which will be chosen at a later date by Dr. Fred B. Davis, having both representatives from the donor and Troy University. Applicants must submit a brief essay outlining their career goals, their honors and accomplishments to date and their financial need, if any. Applicants must also indicate any scores on Law School Admission tests, Acceptance by law Schools or Applications to Schools of Law, which may be pending. Recipient must provide an annual update to the Office of Development of their professional activities and accomplishments as well as any other information pertinent to their course of study.

Carolyn Flowers Brantley Endowed Scholarship is to provide funding to students pursuing majors in the John M. Long School of Music within the College of Communication and Fine Arts on the TROY campus in Troy, AL. Recipients must maintain a GPA of a 2.75.

Lloyd and Sandy Taylor Academic Endowed Scholarship is to provide funding to students pursuing majors in General Studies or, upon agreement, in other areas of study at the Troy campus in Troy, AL. Recipients must maintain a GPA of a 2.75.

Judy and Robert Cary Academic Endowed Scholarship is to provide funding to students pursuing majors in General Studies with preference given to education and nursing students or, upon agreement, in other areas of study. Must maintain a GPA of 2.75. The recipient will be selected by a committee composed of a member from the Foundation Board, Admissions, and a family

representative. All applicants must submit a written essay containing between 250-400 words entitled "What Faith means to me and the role it has played in my life".

Dr. Shirley H. Woodie Endowed Leadership Scholarship is to provide funding to students pursuing a degree with a focus on Leadership Development on the Troy campus in Troy, AL. Recipient must maintain a GPA of a 3.0.

Troy University Alumni Association Legacy Scholarship is to assist students who are enrolled on the Troy, Alabama campus of Troy University and who are legal and qualified legacies of Troy University Alumni. Legacies shall include children, step-children, grandchildren, step-grandchildren, niece or nephew, or step-niece or step-nephew. Recipient must maintain a minimum GPA of 2.7. Applicants will be required to attend an interview and the recipient will be selected by a committee composed of Scholarship Committee and selected members of the Alumni Association Board. Applicants will be required to write a two to three-page essay explaining the degree they wish to pursue and their plans for employment upon graduation.

Rebecca and Earl Ingram, II Scholarship is to provide funding to students pursuing majors in the Teacher Education Program for Undergraduates or, upon agreement, in other areas of study. This is a needs based scholarship and applicants will need to provide documentation of such (FAFSA will suffice). A student must have been admitted to the Teacher Education Program for Undergraduates and have completed at least one semester. Must maintain a GPA of 3.0 or greater.

The Laliberte Family Endowed Scholarship recipients are either math or marketing majors who are in need of financial assistance to be able to attend TROY starting with a mathematics major and then the next year a marketing major. Must maintain a GPA of at least 3.0 in their major field, with an overall GPA of at least 2.8.

Willie Homer Faulkner and Winifred Wilkins Faulkner Endowed Scholarship is to provide financial support to Troy University students from Pike County who attend the Troy, AL campus and who require assistance to be able to attend college. The recipients must maintain a grade point average of at least 2.5.

Eric D. Mizell ("Big E") Endowed Scholarship will be awarded to active T-club member's child or Pike County resident's child. Recipient must maintain a GPA of 2.5 and have financial need. Contact Alumni Affairs for further information.

Gulf Power Foundation Endowed Scholarship will be awarded to students residing in the NW Florida area. Preference will be given to students in a STEM (Science, Technology, Engineering, Math) related field; must maintain a GPA of 2.5 and be a US citizen. Recipients must also be enrolled at least part-time and have financial need.

Kristin Danielle Fuller Endowed Scholarship was established in memory of her by her family. It will be awarded to incoming freshmen graduating from Crenshaw Christian Academy. Recipient must maintain a GPA of 3.0 have financial need.

Lester Nichols Endowed Scholarship recipients must be from Dale County with preference given to Daleville high School Graduates. Also, must have and maintain a GPA of 3.0 and have proof of financial need. Contact counselors Dale County schools that they can award.

SCHOLARSHIPS (CURRENT)

Lena Aisami Annual Scholarship The purpose of this scholarship is to provide funding to a Syrian student who is qualified for admission at Troy Online in a Master's Degree Program in Special Education, Counseling and Psychology, Vocational Rehabilitation, or any other related field. Preference will be given to a student from a Refugee Camp for the Syrians in Turkey, Jordan, or Lebanon. The recipient will be selected by the Troy University Scholarship Committee. As additional funds are generated, it is the donor's desire that the scholarship provide the selected student(s) with a full scholarship to tuition, books, laptop, and other required instructional aids. The recipients are required to write a letter of appreciation to the Scholarship donors and if possible, are encouraged to attend the annual scholarship donor/recipient reception each Spring.

Leola Sanders Alexander Scholarship was established by Leola Sanders Alexander. The purpose of the scholarship is to assist full-time students attending Troy University.

Mary McLeod Bethune Book Scholarship was established to celebrate the life and honor the memory of Mary McLeod Bethune. She was an African American educator and civil rights leader born of enslaved parents. Recipient must be enrolled in a graduate program in elementary education and attending the Atlanta, Georgia site of Troy University Global Campus. Must be currently employed by a US. Public or Private school. Employees of Troy University are ineligible. For more information, contact the Elementary Education Department at the Atlanta site.

Patsy Brown Accounting Scholarship will be awarded to students who are declared undergraduate accounting majors attending Troy University (Troy Campus) for at least two semesters prior to the semester of application. GPA 2.5. The recipient will be selected by the Troy University Accounting Faculty.

Chancellor's Fellowships are available to seniors and graduate students with superior academic records and who are recommended by faculty. The fellowship requires 10 hours per week working with a faculty or staff member. Students cannot be on any other university work program. Information on applying can be obtained from the dean of the Troy University school or college in which the student is enrolled.

Troy Area Delta Chi Alumni Scholarship Delta Chi awards in the Spring.

Paul Drennan Family Charitable Foundation Scholarship was established to assist students in financial need with their educational expenses. The recipient must maintain a 2.0/4.0. on applying, contact the Department of Art and Design.

Dr. Lawrence Fogelberg Current Scholarship will be awarded to a Financial Economics major at Troy University, Troy Campus. Applicants must have a GPA of 3.0, provide a current resume, two letters of reference and a 250 word biographical essay. Selection will be made by the Financial Economics scholarship committee within the Sorrell College of Business.

Foundation Fellowships are available in the Division of Institutional Advancement to juniors, seniors, and graduate students. The fellowship requires 10 hours per week working with a staff member. Students cannot be on any other university work program. Information on applying can be obtained from the Foundation Office.

Earl and Carol Franks Scholarship is awarded to two students (one male, one female) from Luverne High School who are

enrolling at Troy University and who possess a strong work ethic, selfless dedication and have a good attitude and integrity. Awards are for one year only. Selection of recipients will be made by officials from Luverne High School in conjunction with the Troy University scholarship committee.

Harris Security First Responders Scholarship will be awarded to entering freshman at Troy University, who are the sons or daughters of first responders. (First Responders are defined as current, full-time employees of fire, police, or EMT organizations who have been employed in their profession for a minimum of two consecutive years.) Also, if the parent (first responder) passes away during active employment (not necessarily on the job), the dependent will still be eligible. Applicant must also have a 2.5 GPA and be a resident of one of the following counties in Alabama: Butler, Covington, Crenshaw, Dale, Houston, Pike, Henry, Geneva, Barbour, or Coffee. Selection will be made by the Troy University scholarship committee.

Dr. Doug Hawkins Gamma Gamma Alumni Chapter Scholastic Award (Formerly Known As: Pi Kappa Phi and Friends Scholastic Award) Active Member Of Pi Kappa Phi In Good Standings With The Fraternity that is enrolled at Troy University with an overall 3.0 GPA or Higher. Lived in the Fraternity House for the past two (Fall/Spring) semesters or has a signed contract to live in the house for the next two (Fall/Spring) semesters or has lived in the house for a total of four past semesters not including summer semesters.

Herget Foundation Current Scholarship The purpose of this scholarship is to provide funding to students enrolled as an RMI, Marketing, Accounting, HR major on Troy Campus. Recipient must have and maintain a 2.5 GPA and provide a current resume and 250-word biographical essay.

Alexis N. Hudson Excellence in Service Current Scholarship The purpose of this scholarship is to provide funding for tuition/room and board/books. Recipient must be a female, high school senior graduating from Pike and/or Covington Counties entering as a Freshman. Must have 40 logged hours of community service at a 501©(3) charitable organization OR organization and execution of a personal service initiative that directly improves civic engagement, education, health, or community stability. Recipient must provide a 500 word essay outlining why volunteerism is important, who you chose to volunteer at a particular organization, and how you plan to serve your community in the future. A current resume and two references must be provided.

Anne Wood Johnson Scholarship was established by Wilbur G. Johnson in honor of his wife, Anne Wood Johnson. The purpose of this scholarship is to assist full-time students attending Troy University.

Johnny Johnson Scholarship The purpose of this scholarship is to provide funding to full-time or part-time students that have and must maintain a minimum GPA of 3.0, and who are enrolled at Troy University with a major in the School of Nursing. The student must be a resident from Dale, Henry, or Houston County. Selection of recipients will be made by Troy University scholarship committee or a scholarship selection committee.

Jess Jordan Memorial Scholarship was established by the Troy Broadcasting Corporation and its employees in his memory. This scholarship is awarded to students concentrating their studies in journalism. Applications should be directed to the director of the Hall School of Journalism.

Lance Robert McLendon Scholarship was established in 2006 by Benson and Joan McLendon. The recipient must have declared a major and have a GPA of 2.5. Preference will be given to students whose major is in the College of Business and have financial need. Information on applying can be obtained from the Development Office.

Virginia K. and John R. Miller, Jr. Current Scholarship The scholarship shall be up to 80 percent of the estimated cost of attendance. Students enrolled in summer or pre-enrollment summer programs are eligible to receive a scholarship during the summer semester, however, summer scholarships shall not exceed 100% of the cost of tuition only. Recipients are incoming or transfer students who have declared a major in any major other than Theater, Arts, or Music Performance and are enrolled full-time or part-time, with the award for part-time recipients being pro-rated based on the number of credit hours taken. Part-time students must be enrolled for at least six (6) credit hours. The recipients must be children of current employees with at least five years of combined, full time employment with T.R. Miller Mill Company, Inc., Cedar Creek Land & Timber Inc., or Miller Investment Group, LLC. Selection is made by the Scholarship Committee.
Recipients shall remain eligible for the scholarship if one of the following occurs:

1. Death or permanent disability of an eligible student's parent while the parent is actively employed and has completed five years of full time employment.
2. The parent has completed 20 years of full-time employment with the aforementioned companies.
3. Individual circumstances which warrant further consideration.

Phillip and Melinda Mixon Current Scholarship will be awarded to students majoring in Economics on the Troy campus. GPA 3.0. Applicants must provide a current resume and two letters of references. Selection is made by the College of Business scholarship committee. For information on applying contact the Development Officer for the College of Business.

Bobby Ross and Butch Phillips "Trojan Pride" Annual Scholarship The purpose of this scholarship is to provide financial support to students majoring in Math/Sciences. The recipient must have successfully completed at least two semesters at Troy University in Troy, AL and have a 2.5 or higher GPA. Required to submit two letters of recommendation as part of their application. Recipients must be an active participant in extracurricular activities, demonstrate leadership skills and actions, and be an enthusiastic ambassador of Troy University. Recipient will be selected by Admissions, a Troy Foundation representative, and a family member or a family representative. Recipient is required to write a letter of appreciation to the scholarship donor and attend the scholarship brunch held each year.

Marion Rhodes Choral Scholarship Marion Rhodes Choral Scholarship - Recipient must be enrolled in the Choral program.

Marian Rhodes Scholarship for Theatre was established in 1998 by Claudia Graves Crosby. The scholarship is awarded to deserving students whose studies are concentrated in the areas of drama and theatre. Applications should be directed to the dean of the College of Communication and Fine Arts.

SGA MasterCard Scholarship was established in 1993 by the National Alumni Association Student MasterCard program. This scholarship will be awarded to a student who has a 2.7/4.0 GPA or above and has served as member of SGA for a minimum of one

semester. Inquiries should be directed to the Admissions Office or to the Office of Alumni Affairs.

Jim Stephens Scholarship is awarded to students who are incoming freshmen, GPA of 3.0, ACT of 19 and are Pell Grant eligible. Students must also be enrolled full-time and be a resident of Alabama. Recipients are required to accept a work-study assignment. Selection is made by Troy University scholarship committee.

Rose M. Taylor Scholarship was established by Jay and Nicey Eller. The purpose of the scholarship is to assist students majoring in the field of nursing. Applicants must have a GPA of 3.0 and be currently supporting a family. Applicants must also submit a brief summary of themselves and their situation and explain how this scholarship will benefit them. Selection will be made by the School of Nursing scholarship committee.

College of Education Barbara Toner Non-Traditional Student Scholarship (Formally Known As: Parent Degree Program Scholarship) is awarded to students attending the Southeast Region of Troy's Global University and who are in the Parent Degree Program with a GPA of 2.5. Selection of recipients will be made by a committee of faculty from the Southeast Region of Global University.

Troy for Troops Current Scholarship Troy for Troops Current Scholarship will be awarded to students who are veterans or are currently serving in any branch of the U.S. Military or their spouses. Other requirements: (1) must submit an essay on why the applicant should be awarded the scholarship. (2) FAFSA submission required. (3) UG-15 hrs completed; GPA 3.0. (4) GR-12 hrs completed; GPA 3.5.

Valentine's Home Care, Inc. Scholarship is awarded to a business major with a 3.0 GPA. Contact the Sorrell College of Business for information on applying.

John T. White and Lambda Chi Alpha Scholarship is awarded to initiated Lambda Chi Alpha Brothers who lived in the house the previous semester. Must have a GPA of 3.0. Contact Lambda Chi Alpha for more information.

Sorrell College of Business Study Abroad Scholarship will be awarded to juniors or seniors enrolled full-time at Troy University with a major or minor in the Sorrell College of Business. Preference given to students with high GPAs and/or a significant amount of scholarly and community activities. Applicants must submit a transcript, resume, one recommendation from a faculty member or other professional and a 1,000 word essay on why he/she should be awarded the scholarship. Scholarship will be awarded for the semester the student engages in a study abroad experience. Selection will be made by SCOB Study Abroad scholarship committee.

Mary Ann and William R. Hooten Study Abroad Current Scholarship will be awarded to students who have a minimum of 30 hours of academic work at Troy University and have financial need. GPA of 3.0 and a score of 24 or higher on the ACT (or equivalent score on the SAT). Preference will be given to junior or senior applicants first, then sophomores. Students must be enrolled full-time on the Troy campus. Recipient is required to write a 2-3 page essay explaining why they want to go abroad and what they hope to achieve through the study abroad experience. They must have a brief interview with the scholarship committee. Upon return from trip, student must give a brief presentation/question and answer session. For further information, contact the Psychology Department.

Harrel McKinney Current Scholarship for graduate study in Economics was established by Harrel McKinney. Applicants must be enrolled in the MA Economics program on the Troy campus, must have and maintain 3.0 GPA, and must provide a current resume and two letters of references. Contact Sorrell College of Business for further information.

Dr. Cozetta Dionne Shannon Memorial Scholarship was established by Mr. and Mrs. Billy Shannon and Troy University Rehabilitation Counseling Department. It will be awarded to graduate students enrolled in the Rehabilitation Counseling program with a GPA of 3.0 and have financial need. Leadership activities will also be considered in the selection process. Students must write a 500-word essay about what unique and innovative strategies he/she would propose as a change agent to achieve social justice and inclusion for multicultural persons with disabilities. Selection will be made by the Troy University scholarship committee.

Brian Scott Hammond Memorial Scholarship was established by Claude L. and Elizabeth B. Hammond. It is to be initially awarded to an incoming freshman with a HS GPA of 2.5 and a minimum ACT score of 20. Incoming freshman may reapply for an additional three years. First priority is for the recipient to be from Dallas or Wilcox County, Alabama. Selection of recipients will be made by Troy University scholarship committee.

Robert N. "Cole" DeBardelaben Current Scholarship will be awarded to incoming freshmen who have been awarded the Millennium Scholarship. Selection of recipients will be made by Troy University scholarship committee.

SCOB Information Systems Scholarship will be awarded to juniors or seniors majoring in Global Business with a concentration in Information Systems. Preference will be given to students with a high GPA and/or a significant amount of scholarly and community activities (base on transcript and resume). Students must submit a transcript, resume, one recommendation letter and a 1,000 word essay on why he/she should be awarded the scholarship. Selection of recipient will be made by the SCOB Information Systems scholarship committee.

Joe Gilchrist Memorial Broadcast Scholarship will be awarded to incoming juniors or seniors at Troy University, who are Broadcast Journalism majors. Recipient must have a 3.0 GPA and financial need. Selection of recipients will be made by Troy University scholarship committee.

Tabytha Holland Armstrong Memorial Scholarship will be awarded to students who have been accepted into the Nursing program. Students who apply must write an essay explaining (1) why they choose nursing as a career, (2) what they would have done if they had not been accepted into the Nursing program, and (3) what is their nursing goal. Selection will be made by Troy University scholarship committee and family members.

Hidle Trojan Academic Scholarship The purpose of this scholarship is to provide funding to students who have and maintain a minimum GPA of 3.0. Recipient will be selected by Troy University scholarship committee or a scholarship selection committee that includes a member of the Foundation Board, Admissions and may or may not include a family representative. Applicants will be required to write an essay of between 200-450 words on the topic "What This Scholarship Will Mean to Me" for the committee's review.

Gina Mariano and Fred Figliano Psychology Department Research Conference Current Scholarship The purpose of this scholarship is to provide funding to students who have and must maintain a minimum GPA of 3.0 and who are enrolled at Troy University with a major in Psychology. Funds may be used for conference travel, lodging, food, and registration fees. One letter of recommendation from a College Professor at Troy University is required. Recipient must write a letter of appreciation to the scholarship donor and must attend the scholarship donor and recipient reception held each year.

Outstanding Political Science Student Current Scholarship The purpose of this scholarship is to assist students who are juniors or seniors enrolled at Troy University majoring in Political Science with concentrations in American Politics or International Politics. Recipients must have and maintain a minimum GPA of 3.0. Selection will be made by a member of staff from the Department of Political Science and the Head of the Department of Political Science. Each applicant will be required to display excellence in the program and be active in participation in upper division classes.

Maj. Jesse Flanigan, IV Memorial Book Scholarship The purpose of this scholarship is to assist African-American male students who are enrolled in the Air Force ROTC. Second preference will be given to African-American female students who are enrolled in the Air Force ROTC. Recipient must maintain a minimum GPA of 2.8. Selection will be made by Troy University scholarship committee.

Robert E. and Irene Thagard Lindsay Memorial College of Education Current Scholarship The purpose of this scholarship is to assist students enrolled at Troy University in the College of Education. Recipient must maintain a minimum GPA of 3.0. Selection will be made by Troy University scholarship committee or a committee that includes a member of staff from the College of Education. Each applicant will be required to write an essay of between 200-450 words on the topic of "What This Scholarship Will Mean to Me".

Robert E. and Irene Thagard Lindsay Memorial International Programs Current Scholarship The purpose of this scholarship is to assist students enrolled at Troy University in the International Program. Recipient must maintain a minimum GPA of 3.0. Selection will be made by Troy University scholarship committee or a committee that includes a member of staff from the Center for International Programs. Each applicant will be required to write an essay of between 200-450 words on the topic of "What This Scholarship Will Mean to Me".

Mary Jean Griffin Outstanding TRIO Student Scholarship Award The purpose of this scholarship is to assist students who show active engagement with the TRIO program activities and services. The recipient must maintain a minimum GPA of 3.0 and a 2.8 GPA in major field. Recipients must also show co-curricular/extra-curricular engagement, service and leadership at the University. Nomination materials must be provided by faculty/staff in support of the recipient. The recipient will be selected by a committee composed of the Associate Provost and Dean of programs, University TRIO representatives as well as other members of the JWS Center for Student Success where the TRIO programs are organizationally housed.

Sharronah Faye Wright Scott Current Scholarship The purpose of this scholarship is to assist students from the Tampa, Florida area who will be pursuing a degree online from Troy University in Mental Health Counseling and Psychology. The recipient must maintain a minimum GPA of 3.0.

Ozark Presbyterian Church Current Scholarship The purpose of this scholarship is to assist students from Dale County who are incoming freshmen and attend any Troy University campus. The recipient must maintain a minimum GPA of 3.0. The recipient will be selected by a committee composed of members of the Troy University Scholarship Committee. Will be need-based as demonstrated by a FAFSA application/approval.

Wes and Debbie Rhea Current Scholarship The purpose of this fund is to assist students who are pursuing a degree in the sorrel college of business on the Troy University Campus in Troy, AL. The recipient must maintain a minimum GPA of 3.2.

Kenneth C. Thomas Athletic Current Scholarship The purpose of this scholarship is to assist Troy University 2nd year Baseball players on the Troy Campus in Troy, Alabama. Recipients must have and maintain a minimum 3.0 GPA.

Ed Crowell Current Scholarship The purpose of this scholarship is to assist students who are Troy University undergraduates who are majoring in business at the Sorrell College of Business on the Troy Campus in Troy, Alabama. Recipients must have and maintain a minimum 3.0 GPA.

Naazir Yamini Legacy Current Scholarship The purpose of this scholarship is to assist juniors or seniors with a declared major in the Sorrell College of Business on the Troy Campus in Troy, Alabama. Recipients must have and maintain a minimum 3.0 GPA.

Dr. Kathy Murphy Leadership Scholarship The purpose of this scholarship is to benefit students who have and must maintain a minimum 3.2 GPA, be a full-time student with one or more years enrolled in the College of Education. Have declared themselves as an Education major and be enrolled at the Troy University campus in Troy, AL. Recipient will be awarded by members of the Troy University Scholarship Committee. Award recipients are expected to write a note of thanks to the scholarship donor and to attend the annual Scholarship Donor/Recipient Reception held in March of each year. Applicants must submit a 250 to 400 word essay describing how being awarded the scholarship will assist them in continuing their education.

Landscape Source, Inc. Current Scholarship The purpose of this scholarship is to benefit students from Montgomery, Alabama attending school on any Troy campus in Alabama. Students whose parents are employed by landscape Source, Inc. will be given priority. The recipient must maintain a minimum GPA of 2.8.

Dr. Debora D. Pettway Current Scholarship The purpose of this scholarship is to assist students who have and must maintain a minimum GPA of 2.8 and who are returning students with Troy University debt and are involved with Student Support Services and the McNair Scholars Program on the Troy campus in Dothan, AL. Students must provide proof of prior Troy University enrollment and debt. Student must write a 300-500 word essay on their previous experiences at Troy University and any involvement with Student Support Services and the McNair Program.

Great Leaders of Troy University Foundation Current Scholarship The purpose of this scholarship is to assist students who have and must maintain a minimum GPA of 3.2 and who are enrolled at Troy University with a minor in Leadership Development on the Troy Campus in Troy, Alabama.

Tiffany Slater Undergraduate Broadcast Journalism Current Scholarship The purpose of this scholarship is to assist students who have and must maintain a minimum GPA of 3.0 and who are

enrolled at Troy University with a major in Broadcast Journalism on the Troy Campus in Troy, Alabama. Students must be of African-American ethnicity and be a permanent resident of the state of Georgia.

Dr. Imogene Mixson Current Education Scholarship The purpose of this scholarship is to assist students who have and must maintain a minimum GPA of 2.8 and who are enrolled at Troy University with a major in Education on the Troy Campus in Troy, Alabama.

Kevin Glackmeyer Photography Current Scholarship The purpose of this scholarship is to assist students who have and must maintain a minimum GPA of 2.8 and who are enrolled at Troy University in Troy, Alabama. Scholarships to be used to benefit students who are interested in building a sports photography portfolio. Applicants for consideration should submit photographic samples of work and a one-page written statement related to need, desire and interest in athletic photography.

Green Humanitarian Award Current Scholarship The purpose of this scholarship is to assist students who have and must maintain a minimum GPA of 3.5 and who are enrolled at Troy University Graduate College with a major in Social Work.

The Radio People Current Scholarship The purpose of this scholarship is to assist students who have and must maintain a minimum GPA of 2.5 and who are enrolled at Troy University on the Troy University Dothan Campus in Dothan, Alabama with a major in marketing.

LOAN FUNDS (ENDOWED)

Nolan and Willetta Hatcher Foreign Student Scholarship Fund was established in 1994 to recognize and encourage worthy F-1 and J-1 non-immigrant foreign students who are in need of financial assistance in order to continue their education.

TROY UNIVERSITY FOUNDATION PRIZES

The Foundation administers several funds established by donors to recognize students selected for outstanding achievement at Troy University.

PRIZES (ENDOWED)

Ralph W. Adams Omicron Delta Kappa Leadership Award was established by Dr. Ralph W. Adams to honor a member of ODK who showed exemplary character and leadership during the year. Dr. Adams was chancellor emeritus of TSU system.

Alpha Lambda Delta Scholarship was established by the Troy Chapter of Alpha Lambda Delta, a national honorary for college freshman, to provide assistance to a full-time enrolled student who is an initiated member of Troy University Alpha Lambda Delta.

Heather Alsbrooks Award was established in memory of Heather Alsbrooks to assist students pursuing majors in music education. The recipient must be a junior and have a 3.0 GPA. Award is presented at the Symphony Band Concert in the spring.

Virgil Collins Mathematics Award was established for the purpose of providing an annual award to the outstanding senior majoring in mathematics. The recipient will be chosen from the mathematics majors having the highest grade point average in mathematics courses taken at Troy University. To be considered, a student must have at least six upper level courses, totaling 30 hours, and at least 60 hours at Troy University. The award is presented at Honors Convocation.

Georgia Irene Gill Davis Memorial was established in honor of Ms. Davis by the School of Nursing. This award is presented to the graduating senior in the BSN program who is most outstanding in clinical performance.

Louis Hopper Scholarship Award was established by William F. Hopper in honor of his father. The award is given at Honors Convocation to an outstanding graduating student majoring in history or political science.

Kappa Delta Pi-W. P. Lewis Award and Scholarship is awarded annually to the outstanding junior majoring in education. It was endowed by Dr. Lewis, a professor of education and psychology at TSU, and by memorials at his death.

John M. Long Achievement Award was endowed by Anne and Frank B. (Red) Williams, alumni of TSU, to recognize the outstanding graduating senior from the Troy University band each year. The selection will be made by the Troy University band staff. The criteria are grade point average, character and leadership. The award will be presented at the Honors Convocation.

Dr. Ray Mathis Memorial Fund was endowed in his memory through memorial gifts from friends, colleagues and family. He was a professor in TSU's Department of History and author of the book, In the Land of the Living: Wartime Letters by Confederates from the Chattahoochee Valley of Alabama and Georgia. The award is presented each spring to the junior history major or minor who has demonstrated the most promise in historical research and writing.

Eric and Sarah Rodgers/Phi Beta Kappa Award was endowed by Dr. Eric Rodgers to honor the student who has the highest scholastic average in the liberal arts program each year.

Ken Seale Scholarship Prize is presented to a graduating senior with a major in theatre (dramatic arts) who is continuing with postgraduate studies in professional theatre. The prize was endowed by gifts from the Seal family and others in memory of Forrest Keoni "Ken" Seale, a former TSU theatre major. Multiple awards may be presented on occasion.

Leonard Y. Trapp Memorial Fund was established by Mrs. Leonard Y. Trapp in memory of her husband, a history professor at TSU for over 40 years who participated in the preparation of innumerable teachers during his long tenure. An award is presented each spring term to a senior who shows exceptional potential as a future teacher of the social sciences.

Bernard E. Williams Award was established by Mr. and Mrs. Frank B. (Red) Williams in honor of Mr. Williams' father who had a great love for the English language and literature. An award is presented each year to an outstanding graduating senior who majored in English.

PRIZES (CURRENT)

Alpha Phi Sigma Distinguished Honors Graduate Prize is annually awarded to an outstanding graduating senior studying criminal justice. The prize is awarded on the basis of grade point average and participation in criminal justice program activities, university life and volunteer work. The prize was established in 1992 and is maintained by Dr. Charles L. Jones, former chair of the Department of Criminal Justice at TSU, member and co-founder of the Tau Sigma Upsilon Chapter at TSU and professor emeritus of criminal justice.

Psi Chi Award was established by Dr. Anna Smith, a faculty member in the Department of Psychology, to honor the outstanding graduating senior in psychology.

ACADEMIC AND LEADERSHIP SCHOLARSHIP PROGRAMS

Purpose
Troy University scholarships are designated to recognize high school and community college students who have excelled in academic and/or leadership capacities. These scholarships are awarded solely on merit. All students who have achieved scholastic or leadership recognition are urged to apply for the following as well as for applicable departmental scholarships. All Scholarship applications are available online at troy.academicworks.com.

Nature of the Awards
Troy merit scholarships are four-year awards for high school students and two-year awards for community college students. The University Scholarship Committee makes the selections. All awards are limited and competitive.

THE ACADEMIC MERIT SCHOLARSHIPS
TROY-Troy Academic Scholarships are based on scholarly excellence. Awards are generally made with the following guidelines:

The Scholar's Award
- Tuition, full housing and meal plan.
- Requirements: 33-36 ACT/1450-1600 RSAT and 3.7 GPA/4.0 scale

The Scholar's Award
- Tuition, traditional housing
- Requirements: 30-32 ACT/ 1360-1440 RSAT and 3.5 GPA
- Application Deadline is December 1

The Chancellor's Scholarship
- Award varies $6,000-$10,000
- Requirements: 26-29 ACT/1230-1350 RSAT and 3.5 GPA/4.0 scale.
- Application Deadline is December 1

Trojan Leadership Scholarship
- Award varies $2,000-$4,000 annually.
- Requirements: 20-25 ACT/1030-1220 RSAT and 3.0 GPA

Sunshine Scholars Award
- Award varies $1,000-$2,000 annually
- Requirements: High School students from the State of Florida, 20 ACT/1030 RSAT and 3.0 GPA/4.0 scale.
- Application Deadline is December 1

ONETROY Transfer Scholarship
Applicants must have completed at least 45 hours of transferable (non-technical, non-remedial) academic credit. Students must enroll in at least 12 hours each semester to maintain eligibility.
- Students with a 2.50 - 2.74 GPA are eligible for $1,000/year for 2 years (4 semesters/8 terms).
- Students with a 2.75 - 2.99 GPA are eligible for $2,000/year for 2 years (4 semesters/8 terms).
- Students with a 3.00 - 3.49 GPA are eligible for $3,000/year for 2 years (4 semesters/8 terms).
- Students with a 3.50+ GPA are eligible for $4,000/year for 2 years (4 semesters/8 terms).

PHI THETA KAPPA Scholarship
- Applicants must have a 3.5 GPA to apply.
- $5,000/year for 2 years.
- Applicant must be a member of the Phi Theta Kappa Honor Society.
- Applicant must submit a letter of recommendation from PTK college advisor or their PTK certificate.
- Students are not eligible to stack this scholarship with other ONETROY Transfer Scholarships.

Transfer Presidential Scholarship
Transfer Presidential Scholarship to the most commendable transfer students from the Alabama Community College System. This scholarship will allow each Community College President in the State of Alabama to select one student to receive a $12,000 per academic year tuition-only scholarship for 2 years, excluding summer.
- Applicant must be an Alabama resident and
- Applicant must have completed at least 45 transferable credit hours and a minimum GPA of 3.5
- Student must maintain full-time enrollment status and an institutional (TROY) GPA of 3.0
- The scholarship cannot be used in conjunction with any other scholarship or tuition assistance awarded by Troy University.

Trojan Opportunity Expanded Scholarship
The Trojan Opportunity Expanded Scholarship is for out-of-state high school students who are unconditionally admitted with a 20 ACT/ 1130 RSAT and 3.0 GPA. This scholarship is valued at the out-of-state portion of tuition.

Trojan Legacy Scholarship
- $1,000 non-renewable
- Applicant must have parent/grandparent that is a member of the National Alumni Association and/or a local Alumni Chapter
- Requirements: 20 ACT/1030 RSAT and 3.0 GPA

THE AUXILIARY SCHOLARSHIPS

Hugh O'Brian Youth Leadership (HOBY)
- $1,000 non-renewable
- Requirements: Attendee of the Alabama HOBY Conference, unconditional Admission and 3.0 GPA

The Alabama Girls State Scholarship
- $1,000 non-renewable
- Requirements: Attendee of the Alabama Girls State Program, unconditional Admission and 3.0 GPA

The Alabama Boys State Scholarship
- $1,000 non-renewable
- Requirements: Attendee of the Alabama Boys State Program, unconditional Admission and 3.0 GPA

NOTE*: RSAT refers to any SAT tests taken after the score realignment in March 2016.*

Selection authority rests with the Committee and the number of awards may be determined by the qualifications of the applicants and the availability of funds.

MILITARY SCHOLARSHIPS

Dependent Military & Family Scholarship was established to recognize the service of U.S. Active Military, Reserve and National

Guard members by offering a scholarship to the service member, their spouse and/or dependent children. This scholarship reduces tuition to $250 per credit hour at both the undergraduate and graduate levels. To be eligible for the scholarship the applicant must be currently serving in the active or reserve component of the U.S. military or be the spouse or dependent child of a currently serving service member, including National Guard and Reserves. A sponsor verification form is required.

Veteran Discount Through a new TROY Partnership Program, the University is awarding 10-percent tuition scholarships and application fee waivers to all U.S. Military Veterans and their spouses and dependents in appreciation for their service. To receive an application fee waiver, apply now and use promotional code **TROY4VETS.** Scholarship eligibility is verified by the applicant's Department of Defense form 214 (DD214).

CORPORATE PARTNERSHIP SCHOLARSHIPS

Corporate Partnership 10% Tuition Discount Troy University is proud to partner with businesses, health systems, school districts, municipalities, professional associations, and other organization to offer employee unique opportunities for educational enhancement and career advancement. Each partnership offers a tuition scholarship to employees that is applicable to all University degree programs and certificate programs at all University locations including TROY Online. Proof of eligibility is required and details vary among partnership agreements. The current list of partnership can be found at troy.edu/partnerships.
**This scholarship cannot be used in conjunction with any other scholarship or tuition assistance awarded by Troy University.*

Corporate Partnership 15% Tuition Discount Troy University (TROY) in partnership with the U.S. Department of Health and Human Services (HHS) provides opportunities for its employees to achieve personal and professional growth through TROY's undergraduate and graduate degree programs.15% tuition scholarship for in-class and online programs. HHS employees, spouses of employees, dependents of employees, and contractors are eligible for this discount under the partnership. YMCA of Prattville and Montgomery are also eligible for this tuition discount. A list of our Current Partners are listed at https://www.troy.edu/community-outreach/partnerships/current-partners.html
*This scholarship cannot be used in conjunction with any other scholarship or tuition assistance awarded by Troy University.

TROY UNIVERSITY, DOTHAN CAMPUS SCHOLARSHIPS

Troy University, Dothan Campus offers a limited number of scholarships for currently enrolled, transfer, and new undergraduate and graduate students. Scholarships are awarded for the fall semester and renewable for spring based on academic performance. All scholarship applications and deadlines are online at troy.academicworks.com. For more information, contact the Office of Financial Aid and Veterans' Affairs, Troy University, Dothan Campus, P.O. Drawer 8368, Dothan, AL 36304. Telephone: (334) 983-6556, extension 1255.

ENDOWED SCHOLARSHIPS

Broughton and Marion Connell Education Scholarship/Undergraduate Broughton and Marion Connell Memorial Leadership Scholarship is awarded to students seeking an undergraduate degree on the Dothan campus. Applicants must have a minimum ACT score of 22 or a minimum SAT score of 1030 along with a minimum high-school GPA of at least a 3.0.

CURRENT SCHOLARSHIPS

ONETROY Transfer Scholarship Applicants must have completed at least 45 hours of transferable (non-technical, non-remedial) academic credit. Students must enroll in at least 12 hours each semester to maintain eligibility.

- Students with a 2.50 - 2.74 GPA are eligible for $1,000/year for 2 years (4 semesters/8 terms).
- Students with a 2.75 - 2.99 GPA are eligible for $2,000/year for 2 years (4 semesters/8 terms).
- Students with a 3.00 - 3.49 GPA are eligible for $3,000/year for 2 years (4 semesters/8 terms).
- Students with a 3.50+ GPA are eligible for $4,000/year for 2 years (4 semesters/8 terms).

Sumter Hilman Majors Jr. Memorial Scholarship The recipient of this award is to be a graduate student enrolled in the School of Education on the Dothan Campus. The recipient must demonstrate financial need and must be of high moral character. The recipient must maintain at least a "B" scholastic average during each term of the award. Contact the Dothan Campus Financial Aid Office for information on applying.

George H. Malone Scholarship was established by Charles H. Chapman, Jr. for the purpose of providing scholarships for undergraduate students pursuing a degree at Troy University in Dothan in the field of business. Recipients must retain a 3.0 GPA for each semester of college work. Contact the Dothan Campus Financial Aid Office for information on applying.

George Y. and Johnnie R. Malone Scholarship was established by the family in 1988. To be eligible for this scholarship, the recipient must be a resident of Houston County, have and maintain a GPA of 3.0, and demonstrate financial need. Contact the Dothan Campus Financial Aid Office for information on applying.

Edgar McDaniel Endowed Scholarship was established by McDaniel & Associates in honor and memory of Mr. McDaniel, Dothan's first CPA. The purpose of this scholarship is for students pursuing an education at Troy University in Dothan in the field of accounting. To be eligible for this scholarship, the recipient must maintain a minimum GPA of 3.2, leadership qualities and skills, and financial need. Contact the Dothan Campus Financial Aid Office for information on applying.

Troy University, Dothan Campus Excellence Scholarship The purpose of the Troy University, Dothan Campus Excellence Scholarship is to assist students pursuing their degree at the Troy University, Dothan campus. Recipients must maintain a GPA of 3.0 and will be selected by the University Scholarship committee.

Jim and Glenda Rose Scholarship was established in 1995. The recipient is to be a graduate of a public school in Alabama, with at least a "B" scholastic average at graduation from high school and in any college work completed and must demonstrate financial need. Contact the Dothan Campus Financial Aid Office for information on applying.

Dr. Debora D. Pettway Current Scholarship The purpose of the Dr. Debora D. Pettway Current Scholarship is to assist students who have and must maintain a minimum GPA of 2.8 and who are returning students with Troy University debt and are involved with Student Support Services and the McNair Scholars Program on the Troy campus in Dothan, AL.

Dependent Military & Family Scholarship was established to recognize the service of U.S. Active Military, Reserve and National Guard members by offering a scholarship to the service member, their spouse and/or dependent children. This scholarship reduces tuition to $250 per credit hour at both the undergraduate and graduate levels. To be eligible for the scholarship the applicant must be currently serving in the active or reserve component of the U.S. military or be the spouse or dependent child of a currently serving service member, including National Guard and Reserves. A sponsor verification form is required.

Veteran Discount Through a new TROY Partnership Program, the University is awarding 10-percent tuition scholarships and application fee waivers to all U.S. Military Veterans and their spouses and dependents in appreciation for their service. To receive an application fee waiver, apply now and use promotional code **TROY4VETS.** Scholarship eligibility is verified by the applicant's Department of Defense form 214 (DD214).

TROY UNIVERSITY MONTGOMERY CAMPUS SCHOLARSHIPS

Troy University, Montgomery Campus offers a limited number of scholarships for currently enrolled, transfer, and new undergraduate and graduate students. Scholarships are awarded for the fall semester and renewable for spring based on academic performance. All scholarship applications and deadlines are online at troy.academicworks.com For more information, contact the Office of Financial Assistance and Veteran Affairs, Troy University, Montgomery Campus, P.O. Drawer 4419, Montgomery, AL 36103-4419.

ONETROY Transfer Scholarship Applicants must have completed at least 45 hours of transferable (non-technical, non-remedial) academic credit. Students must enroll in at least 12 hours each semester to maintain eligibility.

- Students with a 2.50 - 2.74 GPA are eligible for $1,000/year for 2 years (4 semesters/8 terms).
- Students with a 2.75 - 2.99 GPA are eligible for $2,000/year for 2 years (4 semesters/8 terms).
- Students with a 3.00 - 3.49 GPA are eligible for $3,000/year for 2 years (4 semesters/8 terms).
- Students with a 3.50+ GPA are eligible for $4,000/year for 2 years (4 semesters/8 terms).

Dependent Military & Family Scholarship was established to recognize the service of U.S. Active Military, Reserve and National Guard members by offering a scholarship to the service member, their spouse and/or dependent children. This scholarship reduces tuition to $250 per credit hour at both the undergraduate and graduate levels. To be eligible for the scholarship the applicant must be currently serving in the active or reserve component of the U.S. military or be the spouse or dependent child of a currently serving service member, including National Guard and Reserves. A sponsor verification form is required.

Stephen H. Morochnick Scholarship This scholarship is for active duty airmen (E-4 and below) in their first enlistment. The individual must be permanent party assigned to Maxwell or Gunter, or be a dependent child or spouse of an active duty airman (E-4 and below) assigned to Maxwell or Gunter AFB. The applicant must have at least an overall 2.5 GPA on courses for transfer students, current Montgomery Campus or high school students. The scholarship provides for one three-hour course at the Montgomery Campus or it may be used for a one-time purchase of textbooks in the Montgomery Campus Bookstore up to $150.00 (no refunds allowed). The scholarship may be awarded for fall semester (T-1 and T-2) and is renewable for spring semester (T-3 and T-4) to the same individual but application must be made for each semester. Recipient must maintain a 2.5 GPA each semester. This scholarship is not available for summer session. Deadline: July

Jane and Ned Varner Scholarship is awarded to an undergraduate with 3.0 GPA, attending Montgomery Campus. Selection is made by Montgomery Campus scholarship committee.

Gene and Jan Elrod Scholarship was established in 1986 by Troy State University Montgomery President, Dr. Gene Elrod and his wife, Dr. Jan Elrod, a faculty member in the mathematics department at Troy State University's main campus and later, chair of the department. Scholarship awards are made on the basis of academic performance, character and financial need. The recipient must be attending Troy University in Montgomery and have an overall and last term GPA of at least a 2.0. Contact the Montgomery Campus Veteran Affairs Office for information on applying.

Troy University, Montgomery Campus Excellence Scholarship The purpose of the Troy University, Montgomery Campus Excellence Scholarship is to assist students pursuing their degree at the Troy University, Montgomery campus. Recipients must maintain a GPA of 3.0 and will be selected by the University Scholarship committee.

Nursing ADN Montgomery (loan) The Nursing ADN Montgomery Loan was established in 2005 and is awarded to senior students enrolled in Troy University's ASN program on the Montgomery campus Recipients must have and maintain a 3.0 GPA. To qualify, students must have completed Nursing 160 and Foundations of Adult Health I with a GPA of 1.5.

DEGREES AND REQUIRED CREDIT HOURS

DEGREES

Requirements for graduation with the following degrees are shown in this catalog:

- Associate of Science in Nursing
- Associate of Science in General Education
- Associate of Arts in General Education
- Bachelor of Arts
- Bachelor of Science
- Bachelor of Applied Science
- Bachelor of Science in Business Administration
- Bachelor of Arts or Science in Education
- Bachelor of Fine Arts
- Bachelor of Music Education
- Bachelor of Science in Nursing

BACHELOR OF ARTS WORLD LANGUAGE REQUIREMENTS

The Bachelor of Arts degree requires that 12 hours in world languages (classical or modern) must be completed as part of the departmental program(s) or as free electives. For additional information, students should consult their advisers.

EARLY ADMISSION TO ACCREDITED PROFESSIONAL SCHOOLS

A student who accepts early admission to an accredited professional school (e.g., dentistry, law, medicine) may petition for his or her baccalaureate degree upon successful completion of the first year of professional studies (official transcript required), provided the student had earned at least ninety (90) semester hours at Troy University or in combination with the AGSC/STARS articulation program prior to being granted early admission to the accredited professional program.

BACCALAUREATE DEGREE PARAMETERS

For more information, see the academic regulations section of this catalog.

Bachelor of Arts[1] And Bachelor of Science

A. General studies[2]
   Areas I - IV: 41-42 hours
   Area V (University requirements and requirements specified by the major): 19-22 hours
B. A program or a combination of majors and minors to total at least: 54 hours
C. Unspecified electives: additional hours necessary to achieve a minimum of 120 total credit hours[3]: 2-6 hours

[1]*Bachelor of Arts World Language Requirement:* The Bachelor of Arts requires 12 hours of one foreign language (classical or modern) in addition to items A and B above. Consult your specific degree program for additional requirements.

[2]*Specialized General Studies Requirements:* Programs and majors may have specialized general studies requirements. See the program and major listings for more information.

[3]*Requirements beyond 120 credit hours:* Although most baccalaureate degree programs require a total of 120 credit hours, accreditation criteria or professional licensure requirements may dictate that some baccalaureate degrees will exceed the 120 semester hour minimum. Please refer to listings for individual colleges, schools and departments to determine those degree programs that require in excess of 120 semester hours.

ASSOCIATE DEGREE PARAMETERS

For more information, see the Academic Regulations section of this catalog, along with the requirements for individual associate degrees.

PROGRAMS OFFERED (PROGRAM AVAILABILITY MATRIX)

For information regarding availability of academic programs by location, please visit academics at www.troy.edu or talk with your registrar or academic adviser.

GENERAL STUDIES PROGRAM

All students are required to complete a complete a common curriculum of courses called the General Studies Program. General Studies courses may not be used in meeting requirements for both the General Studies Program and requirements for a major or minor.

Requirements for the General Studies Program may change without notice. For transfer guides and information regarding transfer of courses from Alabama two-year colleges, visit https://alabamatransfers.com/.

The student must complete a six-hour General Studies sequence in Literature or History. This sequence must be within the same content areas for the selected discipline (i.e., six hours in American Literature or six hours in World History). Some major programs specify this sequence.

The student should consult the listing of specialized criteria for the selected major.

Some programs, majors or minors may have specialized general studies requirements. Consult the descriptions of these programs in this Catalog for information.

All prerequisites for any courses listed below must be met prior to enrollment in these courses. For additional information, please refer to the Course Descriptions section of this catalog.

AREA I (6 HOURS)

A minimum grade of C is required in ENG 1101 and ENG 1102.

- ENG 1101 Composition and Modern English I **OR** placement in ENG 1103 Composition and Modern English I for Global Scholars (3 Credit Hours)
- ENG 1102 Composition and Modern English II **OR** placement in ENG 1104 Composition and Modern English II for Global Scholars (3 Credit Hours)

AREA II (12 HOURS)

REQUIRED:

- 1000-2000 level course within Literature (3 Credit Hours)
- 1000-2000 level course with an expanded historical and cultural scope in the Fine Arts, including the disciplines of Art, Music, Theatre, Film or other Fine Arts areas. (3 Credit Hours)
- Any 1000-2000 level courses with an expanded historical and cultural scope in the Humanities/Fine Arts disciplines, including Classics, Communication, Dance, English, World Languages, Interdisciplinary Studies, Music, Nursing, Philosophy, Religion, Sign Language, Theatre, or other Humanities/ Fine Arts areas. (6 Credit Hours)

AREA III (11 HOURS)

A minimum grade of C is required in mathematics. Students should consult the listing of specialized general studies requirements for their major. A higher level mathematics course, or other math requirement, may be required or one of the following three courses may be specified for your major.

REQUIRED:

- MTH 1108 Enhanced Pre-Calculus Algebra (4 Credit Hours) **OR** MTH 1110 Finite Mathematics **OR** MTH 1112 Pre-Calculus Algebra or higher **OR** STAT 2210 Introductory Statistics (3 Credit Hours)
- Any 1000-2000 level laboratory science classes (class and lab both required) from the following Science disciplines: Biology, Chemistry, Physics, Physical Science or other Science areas: (8 Credit Hours)

AREA IV (12 HOURS)

REQUIRED:

- Any 1000-2000 level course with a principal focus in American History, Western Civilization, or World History. (3 Credit Hours)
- Any 1000-2000 level courses from the following Social Science disciplines: Anthropology, Business, Criminal Justice, Economics, Education, Entrepreneurship, Finance, Geography, History, Hospitality, Tourism, Sport Management, Human Services, Interdisciplinary Studies, Leadership, Nursing, Nutrition, Political Science, Psychology, Religion, Social Work, Sociology or other Social Science areas. (9 Credit Hours)

AREA V (18-22 HOURS)

- LDR 1100 Introduction to Leadership (3 Credit Hours)
- TROY 1101 The University Experience (1 Credit Hours) **OR** TROY 1105 Learning Mindset Freshman Seminar (3 Credit Hours) *
  *Notes: *TROY 1105 is required for students who must complete both developmental math and developmental English.*

Additional Requirements

Select an additional 14-18 hours of requirements specified by the major or program. (See the descriptions of programs, majors and programs in this catalog.) If no specific requirements for the major or program are designated, the student must take an additional 14 hours of electives.

SPECIALIZED CURRICULA

UNIVERSITY HONORS GLOBAL SCHOLARS PROGRAM (UHGSP)

The University Honors Global Scholars Program (UHGSP) invites talented and motivated students from each of the colleges to pursue academic excellence through a transformative global experience. Administered by the Honors Global Scholars Council and the Director of University Honors Global Scholars, the program offers an enriched, interdisciplinary curriculum, meaningful connections with faculty and peers, leadership development, guidance for pursuing competitive scholarships and fellowships, and opportunities for immersive national and international travel, research, and cultural exploration.

Admission to the UHGSP is by invitation only and offered primarily at the time of acceptance to Troy University. Selection is based on a thorough evaluation of the university application. Students must maintain a 3.5 cumulative GPA to graduate as a University Honors Global Scholar.

The Honors Global Scholar Council consists of a faculty representative from each of Troy University's colleges that represent the academic pathways to the program. To align with the National Collegiate Honors Council's guidelines, which state that for institutions offering college department-level honors pathways, centralized oversight is essential to prevent redundancies, parallel programs, and confusion about the definition of an honors experience, all college-level Global Scholars pathways will operate under the guidance of the University Honors Global Scholars Program (UHGSP). This structure ensures alignment with UHGSP's mission, learning outcomes, and 5 distinctive pedagogies, fostering a cohesive and high-quality honors experience across Troy University. The curriculum is structured to allow each student, where appropriate, to connect with the program through a variety of options, both curricular and co-curricular. Curricular requirements for the UHGSP will be met through a variety of modalities including standalone honors global seminars and colloquia, departmental honors courses that have global engagement, and classes that conclude with a thesis or capstone experience.

For more information and guidance, please contact the Director of University Honors Global Scholars, Dr. Priya Menon via email at honors.globalscholars@troy.edu.

UNIVERSITY HONORS GLOBAL SCHOLARS PROGRAM REQUIREMENTS

1. Honors Global Scholars Coursework Requirements

All students in the program are required to complete 12 credits of UHGS courses, which include: HON 1101, HON 2201, HON 3380 and HON 4498. Students inducted into the program will take HON 1101 in the Spring of their Freshman year. This class replaces TROY 1101, which all Freshman students must take in the Fall semester. Students will take HON 2201 in their Sophomore year in preparation for HON 3380 to be taken in the Junior year. Students will complete their CORE requirement by taking HON 4498 in their Senior year.

2. Experiential Learning Requirements

The UHGSP sets itself apart from the traditional university experience learning through immersive travel and extracurricular engagement. These essential components encourage students to cultivate vital skills in areas such as Global Proficiency, Leadership, Community Engagement and Service, and Professional Development. By emphasizing these experiences, the program equips honors global scholars with the tools they need to thrive in the job market and excel in their future careers.

a. **Immersive Travel:**

The Program will provide cohort-based travel experiences locally and internationally. All students must take HON 3380. All UHGS students are encouraged to complete at least ONE additional travel opportunity besides **HON 3380**.

b. **Extracurricular Engagement:**

All students, regardless of when they are admitted, must complete at least one activity in each of the following categories:

i. **Global Proficiency**

- Additional Study Abroad
- Internship with a global company
- Presentation/experience demonstrating a clear understanding of global challenges and cultural diversity (approved by advisor)
- Earn a minor in a World Language/Intercultural competency
- Participation in Model UN
- Other relevant experiences that may qualify (approved by advisor)

ii. **Leadership Development**

- Serve on an Honors Board/Committee on campus or as a student mentor in the field of study
- Selected as an officer in a university organization
- Selected for a state, regional, or national leadership position
- Other Relevant experiences that may qualify (approved by advisor)

iii. **Professional Development**

- Journal of 3+ years of mentor advice and guidance
- Complete an approved course in etiquette or social interaction
- Earn a minor in Leadership
- Submit an application for a merit award
- Job shadowing with a relevant Professional (approved by advisor)
- Other relevant experiences that may qualify (approved by advisor)

iv. **Community Engagement and Services**

- Minor in Civic and Community Engagement
- 60+ Volunteer hours pre-approved by Director
- Participation in major campus service-learning project with research and follow-up briefing (e.g., Poverty and Hunger Outreach Initiative, Sustainability Initiatives, Health Futures Outreach Initiatives, Community Action and Outreach Initiatives)
- Other relevant experiences that may qualify (approved by advisor)

HONORS GENERAL STUDIES COURSES

- ART 1134 - Honors Visual Arts
- BUS 1121 - Honors the Global Challenge
- COM 2243 - Honors Fundamentals of Speech or Fundamentals of Speech
- ECO 2253 - Honors Principles of Macroeconomics
- ECO 2254 - Honors Principles of Microeconomics
- ENG 1103 - Honors English Composition I
- ENG 1104 - Honors English Composition II
- ENG 2207 - Honors World Literature before 1660
- ENG 2208 - Honors World Literature after 1660
- HIS 1103 - Honors History of Western Civilization I
- HIS 1104 - Honors History of Western Civilization II
- HIS 1113 - Honors U.S. History to 1877
- HIS 1114 - Honors U.S. History since 1877
- HIS 1124 - Honors World History I to 1500
- HIS 1125 - Honors World History II from 1500
- KHP 2240 - Personal Community Health
- POL 2240 (3) Honors American National Government

Honors credit in mathematics will be granted for MTH 1125 (Calculus) and higher.

MINOR IN CIVIC AND COMMUNITY ENGAGEMENT (18 HOURS)

- IDS 1101 - Global Challenges
- IDS 2201 - Applications in Public Service
- IDS 4495 - Capstone Experience in Public Service and Civic Engagement

After completion of IDS 2210, student must select an additional 9 hours from advisor-approved electives in content areas of focus. Once declaring the minor, students must submit a course plan for approval to the advisor in the Office of Civic Engagement in Eldridge Hall 122

ENGLISH AS A SECOND LANGUAGE PROGRAM

Troy University's English as a Second Language program offers intensive English language instruction for non-native speakers. This program addresses the needs of students who plan to pursue further university study in the United States or who wish to sharpen their language skills for personal or professional reasons. In addition to improving listening, speaking, reading, and writing abilities, ESL classes also increase students' understanding of American culture and university life. Up to six credits of level VI and/or VI+ courses can be used to fulfill the free elective course requirement towards an undergraduate degree, pending evidence of proficiency. For further information contact the Director of the ESL Program on the Troy Campus.

The ESL program is available on the Troy Campus. For more information, see the Academic Regulations section of this catalog. For information about the terms of instruction, contact the Center for International Programs at (334) 670-3335. English as a Second Language (ESL) courses are described in the course descriptions chapter of this catalog.

Troy University offers students who have finished ESL classes at mid-term, but cannot register for academic classes due to unavailability or scheduling issues, an option to take VI-Plus classes. Academic students who need more English practice may also take the VI-Plus classes. You must have completed all six levels in ESL (I-VI) or have passed the TOEFL or IELTS to qualify for VIPlus classes.

These classes are grade bearing and are calculated in the student's grade point average (GPA). These classes follow the University's policy of assignment of an FA (Failure to attend) designation for enrolling, but not attending, the classes. Student grades for these classes are included on the Troy University academic transcript as non-credit courses. Students may request a review of these classes via a University Course Substitution form available through the ESL Director's office. Following the University's review process, it may be possible to use a total of six academic hours from the Level VI and Level VI-Plus courses as academic credits. These hours will be transcribed as general unrestrictive electives for the student and can be used as part of the student's overall degree requirement of at least 120 hours needed for graduation.

EXPERIENTIAL LEARNING CREDIT

Cross Discipline Courses (CDC)

301 Portfolio Development (2)

This is a course in the preparation of an educational portfolio, a formal file or folder of information compiled by students on learning acquired through specific past experiences and accomplishments. Students are required to prepare a portfolio under the guidance of the instructor. The course is required of all students prior to submission of a portfolio to the university for evaluation for experiential credit.

Experiential Learning Assessment (ELA)

Credit Experiential learning assessment (ELA) is a process used by Troy University to evaluate prior college-equivalent learning attained by students outside the classroom and not transferable through any of the standard methods of accepting non-traditional credit. Each student prepares a portfolio that is a carefully organized folder documenting learning outcomes (not learning activities) for the purpose of earning credit for a specific college course or courses. The procedure for students interested in requesting assessment of prior experiential learning is as follows:

a. The student enrolls in CDC 3301 Portfolio Development for two semester hours of credit. A student may enroll in CDC 3301 only once and should plan to develop all materials for receiving academic credit for experiential learning from this one-time enrollment. The instructor for this course:
    1. Provides an overview of the experiential learning assessment program,
    2. Assists in determining whether or not prior learning is appropriate or adequate to request academic credit,
    3. Provides the guidance necessary to prepare an educational portfolio, and
    4. Evaluates the portfolio to determine if the content is sufficient to approve submission for faculty assessment.

    NOTE: *No more than 25 percent of the degree may be earned by using experiential learning assessment credit or portfolio-based credit. Academic credit earned through experiential learning will not count toward the University's residency requirement.*

b. The student prepares the portfolio, which includes
    1. A statement of the student's educational goals;
    2. A chronological record, with external documentation, of the student's education and work experiences;

3. A clear statement of the specific knowledge and skills not learned in college for which the student desires to receive academic credit;
4. Information that links the specific knowledge and skills to the student's goals and educational degree program;
5. Information that links the specific knowledge and skills of the student to specific learning outcomes of the specific courses for which the student wants to receive equivalent academic credit; and
6. Documented evidence that substantiates the student's claim to learning.

c. Faculty assessment.
Once the portfolio is submitted to the faculty for evaluation, the faculty member uses several methods of assessment, which include product assessment such as an original computer program, interviews, oral or written examinations, simulations, performance tests, and/or essays. The faculty member makes a recommendation to award or not award the hours of credit. This recommendation is made to the dean of the college for which equivalent academic credit will be awarded for experiential learning activities and to the associate provost/dean of under graduate studies for final approval and confirmation of awarded credit to the university registrar.

d. Fee Payment
The tuition and/or fees for CDC 3301 is charged whether or not experiential credit is earned. In addition to tuition charges, a per hour charge for credit awarded is also charged to the student's account.

e. Credit is then posted to the student's transcript by the University Registrar.

BACHELORS OF INTERDISCIPLINARY STUDIES (120 HOURS)

Area I-IV Requirements

- *41-42 hours from the Troy University Catalog*

Area V Requirements (18-19 hours)

- TROY 1101 - University Orientation
- LDR 1100 - Introduction to Leadership

Electives (14-15 hours)

Major Requirements (54 hours)

- *Course Requirements for three Troy University minors (18 hours each).*

Electives (6 hours)

**Only one contract minor may be used in fulfillment of the major program requirements.*

**Prerequisite courses for the selected minors may be completed as part of Area V in General Studies.*

MILITARY ELECTIVES

Military electives may be taken from credit earned through the American Council on Education (ACE) recommendations, Community College of the Air Force (CCAF), or military credit from regionally accredited institutions. For additional information regarding the military science leadership minor, please consult the index of this catalog.

PRE-PROFESSIONAL CAREERS

Students who are interested in preparing for careers in the professions will find many such opportunities at Troy University. Considered among the best available, Troy's pre-professional programs feature small classes, special academic advisers, free tutors, exceptional laboratory facilities and an outstanding and well qualified faculty.

Pre-Law

Admission to accredited professional schools of law requires from three to four years of college preparatory work with preference given to applicants with the bachelor's degree. Law schools generally do not prescribe a particular major or course of undergraduate study as a prerequisite for admission. All such schools emphasize the important of excellence in whichever course of study is pursued. For students planning to enter the profession of law, it is recommended that a student pursue a bachelor's degree giving emphasis to such fields as English, history, political science, criminal justice, social science, speech communication or business. Troy University offers an Accelerated Law Curriculum (3 year option) for interested students. Students will complete the requirements for the Social Science major-General Science concentration by the end of their third year of study. Students may then apply to a partnered institution's law school program. After 30 semester hours of law courses outlined by the partnered institution, students may be awarded a Bachelor of Science in Social Science with a minor in Legal Studies and have completed one year of Law School. Students applying for early admission must meet the requirements set forth by the partnered Law School program. For individualized advice about courses appropriate for law school, students may consult with the advisers for the Pre-Law Society.

Pre-Engineering

Program requirements among the professional schools of engineering vary, although certain courses are common to most such schools, particularly during the first two years' work. Students may complete selected course work at Troy University within their first 1-2 years of study before transferring to a professional school. The choice of the professional school and the particular field of engineering will determine the required course work and the most appropriate time for transfer. Students who are interested in pursuing this route to a professional engineering degree should meet with their assigned pre-engineering academic advisers prior to registration each term.

Pre-Health Professions

Courses required for admission to these professional schools are available at Troy University. Admission to these schools is highly competitive. Troy University recommends that students who plan a career in healthcare such as medicine, dentistry, optometry, pharmacy, chiropractic medicine, veterinary medicine, or osteopathic medicine follow a program which leads to the bachelor of science or bachelor of arts degree. Although professional schools require many common courses, they differ slightly for a small number of specialized courses. For this reason, students should consult with their pre-health advisors to identify these courses.

Pre-Veterinary Medicine

Programs leading to the doctor of veterinary medicine degree normally require four years of preparatory college work and four

years in the professional school. Four years of the preparatory work may be taken at Troy University.

Pre-Agriculture and Forestry

Students who plan to follow courses of study leading to degrees in agricultural engineering, animal or poultry husbandry, dairying, farm management, horticulture, wildlife, agriculture education, or forestry may complete as much as the first year's work at Troy. Certain courses required during the second year also are offered, but before continuing into the second year, the student should carefully examine the requirements of the professional school selected.

Other Pre-Professional Career Paths

Troy University also provides appropriate courses of study for a number of other professional and vocational fields, including pharmacy, home economics, land surveying, physical therapy, public administration, seminary training, etc. These programs require general preparation (as required for the bachelor's degree) as a prerequisite for admission to the professional or graduate school.

COLLEGE OF ARTS AND HUMANITIES

The College of Arts and Humanities is comprised of seven units: the Hall School of Journalism and Communication, the John M. Long School of Music, the Department of Art and Design, the Department of English, the Department of History and Philosophy, the Department of Theatre and Dance, the Department of English and the Department of World Languages and Cultures. Combining tradition with innovation and internationalism, the College focuses on sustaining excellence in academic performance, enhancing lives, and preparing students for careers in an everchanging world.

The College maintains that the richest experiences of human beings arise from their abilities to analyze and interpret intelligently and imaginatively works of art and performances as well as the rhetoric and actions of past and present societies; to communicate effectively within a variety of contexts using the multiple languages and tools of the communication and fine arts disciplines; to make intelligent decisions in an increasingly complex and diverse, media-driven society; and to work together harmoniously in groups to accomplish established goals.

Troy University's College of Arts and Humanities is a primary provider of cultural events benefiting the citizens of Troy, Pike County, the region, and the state. Accordingly, the College offers events as art exhibitions, recitals, concerts, lectures, symposia, and dance and theatrical performances. In addition, the College maintains strong community partnerships with the City of Troy, Johnson Cultural Arts Center, Troy Arts Council, and the Wiregrass Museum of Art.

Actively involved in community engagement, the College offers a variety of lectures, workshops, master classes, and camps for middle school, high school and college students throughout the state in art, theatre, dance, music and journalism. Our overarching vision is to be Alabama's institutional leader in advancing arts and humanities education and achievement.

MINOR IN 3D PRINTING FOR ART AND INDUSTRY

(18 Hours)

REQUIRED COURSES

3DP 2220	3	Fundamentals of 3D Modeling and Printing for Art and Industry
3DP 2230	3	Large Format Printing and Sustainable Materials for Art and Industry
3DP 2240	3	Contemporary Discourse of Design for 3D Printing
3DP 3320	3	Constructive Disruption: Design Process and Workflow

RECOMMENDED ELECTIVES

Select the remaining six (6) hours from electives approved 3DP advisor and Department Chair

ART 4435	3	Collaborative Studio
ART 3342	1	The Business of Art/Design
BUS 1101	3	Introduction to Business
EET 3315	3	Digital Logic Circuits
EET 4420	3	Fundamentals of Microcontrollers
ENT 2200	3	Innovation and Creative Thinking
ENT 2210	3	Entrepreneurial Leadership
IA 2235	2	Creative Collaborations, Teams, and Partnerships
IA 3335	2-3	Integrated Arts Concept and Design
IA 3340	1-3	Integrated Arts Production
IDS 1101	3	Global Challenges
IDS 2200	3	Crossroads: Sophomore Interdisciplinary Seminar in Creative Thinking
LDR 2210	3	Leadership and Interpersonal Skills
MKT 3364	3	Product and Service Innovation

ART MAJOR

(36 Hours)

Students must earn a grade of "C" or better in all courses in their major. Under no condition may a student enroll in a 4000-level course in their major without the satisfactory completion of the lower-level courses.

Area V Requirements

TROY 1101	1	The University Experience
ART 1145	3	Foundations of Form and Space
ART 1150	3	Foundations of Time and Space
ART 2208	3	Digital Tools
ART 2201	3-5	Introductory Drawing
ART 2250	3	Survey of Art History I
ART 2251	3	Survey of Art History II

CORE COURSES (12 HOURS)

ART 3301	3-5	Life Drawing*
OR		
ART 3318	3-5	Conceptual Drawing*
ART 3323	3	Modern and Contemporary Art History
ART 3340	1	Portfolio Design
ART 3342	1	The Business of Art/Design
ART 3360	1	Exhibition Techniques
ART 4435	3	Collaborative Studio*

CONCENTRATION (12 HOURS)

Select 12 hours of courses from one of these concentration areas: 2D Studio, 3D Studio, or Photo Studio.

Select six semester hours from the following:

ART 2230	3	Color and Technology
ART 3308	3	Graphic Design Principles & Practices
ART 3326	3	Digital Illustration
ART 3350	3	Research and Criticism
ART 3375	3	Special Topics in Art/Design*
ART 3380	1-3	Travel Study in Art/
ART 4496	3/6	Internship*

Select an additional <u>six</u> hours of electives

Note: *Any course with asterisk (*) can be repeated up to 6 credit hours.

ART EDUCATION

NOTE: Students seeking Alabama teacher certification in art should select education as a second major. Students should consult with their advisers concerning all certification requirements. See Interdisciplinary Education (P-12). There are specialized General Studies requirements under the College of Education.

Area V Requirements

TROY 1101	1	The University Experience
ART 1145	3	Foundations of Form and Space
ART 1150	3	Foundations of Time and Space
ART 2208	3	Digital Tools
ART 2201	3-5	Introductory Drawing
ART 2250	3	Survey of Art History I
ART 2251	3	Survey of Art History II

TEACHING FIELD (36 HOURS)

ART 2202	3-5	2D Studio I
ART 2204	3-5	3D Studio I
ART 2205	3-5	3D Studio II
ART 2206	3-5	2D Studio II
ART 2230	3	Color and Technology
ART 3301	3-5	Life Drawing
ART 3350	3	Research and Criticism
ART 3361	3	Integrating Art into the Curriculum

Select <u>six</u> hours of upper level course from two of the following concentrations (for a total of 12 hours): 2D Studio, 3D Studio, Photo Studio, Digital Studio.

ART MINOR

(18 Hours)

Select <u>18</u> hours of art and art history courses. Nine (9) credit hours must be upper level.

ART HISTORY MINOR

(18 Hours)

For Non-Art Majors

ART 2250	3	Survey of Art History I **3 Credit Hour(s)**
ART 2251	3	Survey of Art History II **3 Credit Hour(s)**
ART 3350	3	Research and Criticism **3 Credit Hour(s)**

Select nine (<u>9</u>) credit hours of art history courses.

ART THERAPY MINOR

(18 Hours)

ART COURSES

Take the following two courses:

ART 2201	3-5	Introductory Drawing **3-5 Credit Hour(s)**
ART 3361	3	Integrating Art into the Curriculum **3 Credit Hour(s)**

Choose one of the following courses:

ART 2204	3-5	3D Studio I **3-5 Credit Hour(s)**
ART 2206	3-5	2D Studio II **3-5 Credit Hour(s)**

PSYCHOLOGY COURSES

Take the following three courses:

PSY 2200	3	Introduction to Psychology
PSY 2210	3	Developmental Psychology
PSY 4402	3	Principles of Counseling **OR** PSY4460 Cognitive Psychology

BROADCAST JOURNALISM MAJOR

(36 Hours)

Contact the Hall School of Journalism and Communication for information regarding contract programs in public relations, sports information and advertising.

Area II Requirements

COM 2241	3	Fundamentals of Speech

Area V Requirements

COM 1101	3	Introduction to Communication and Media
JRN 1100	3	Media Technologies
JRN 1102	3	Media Writing
TROY 1101	1	The University Experience

REQUIREMENTS FOR THE MAJOR

COM 2220	3	Interviewing and Information
JRN 1103	3	Introduction to Radio and Television
JRN 2201	3	Reporting
JRN 3360	3	Broadcast Writing
JRN 4403	3	Audio News Practicum
JRN 4413	3	Television News Practicum
JRN 4425	3	Media Law and Ethics
JRN 4440	3	Advanced Media Technologies
JRN 4489	5	Internship
JRN 4495	1	Communication Seminar

Select <u>six</u> hours of upper level ADJ, COM, JRN or PRJ.

CLASSICS MINOR

(18 Hours)

REQUIRED COURSES

CLA 2260	3	Classical Mythology*****
CLA 3311	3	Civilization of Greece
CLA 3312	3	Civilization of Rome

Select nine or 12 hours of electives:

CLA 3330	3	Classical Epic
CLA 3350	3	Classical Drama
CLA 4400	3	Selected Topics in Classics
LAT XXX	3	Approved Latin course(s)
GRK XXX	3	Approved Greek course(s)

*****Note: *If CLA 2260 is taken to fulfill general studies requirements, an additional course must be elected below.*

COMMUNICATION ARTS MAJOR

(36 Hours)

Contact the Hall School of Journalism and Communication for information regarding the contract program in performance (speech/broadcast journalism.)

Tracks: Communication Studies and Theatre

COMMUNICATION STUDIES TRACK

Area V Requirements

COM 1101	3	Introduction to Communication and Media
COM 2241	3	Fundamentals of Speech
JRN 1100	3	Media Technologies
PRJ 2230	3	Principles of Public Relations and Advertising **OR** ADJ 2220 Principles of Advertising
TROY 1101	1	The University Experience 1 Credit Hour(s)

REQUIRED COURSES

COM 2231	3	Interpersonal Communication
COM 3326	3	Conflict Management
COM 3328	3	International/Intercultural Communication **OR** COM 3380 Travel Study in Journalism and Communication
COM 3345	3	Group Discussion and Leadership
COM 4410	3	Communication Research
COM 4420	3	Propaganda and Persuasion
COM 4424	3	Communication and Rhetoric in Society
JRN 4440	3	Advanced Media Technologies
JRN 4495	1	Communication Seminar

Select 11 hours including COM 2251 or from the following: ADJ, COM, JRN, or PRJ courses.

Or other approved upper level course electives in journalism, theatre, music industry, art and design, or world languages.

THEATRE TRACK

Specialized general studies requirements for the Theatre track:

Area II

THE 1130	3	Introduction to Theatre 3 Credit Hour(s)
ENG 2205	3	World Literature before 1660 3 Credit
ENG 2206	3	World Literature after 1660 3 Credit Hour(s)

Area V

ART 2208	3	Digital Tools
TROY 1101	1	The University Experience
THE 1115	1-3	Performance and Production Practicum I
THE 1150	1	Creative Habit
THE 1160	1	Audition and Portfolio Techniques
THE 2211	1	Theatre for Youth * (Theatre Ed required)
THE 2291	3	Dramatic Literature I

Theatre Majors choose an additional nine (9) hours of electives

Theatre Education Majors choose an additional eight (8) hours of electives.

REQUIRED COURSES *(For Non-Teaching Degrees)*

THE 2215	1-3	Performance and Production Practicum II
THE 2216	1-3	Performance and Production Practicum III
THE 2271	2-3	Fundamentals of Scenery and Lighting
THE 2272	2-3	Fundamentals of Costumes and Makeup
THE 3365	3	Fundamentals of Design for Theatre
THE 3300	2-3	Fundamentals of Acting
OR		
THE 3301	3	Acting I 3 Credit Hour(s)
THE 3315	1-3	Performance and Production Practicum IV
THE 4415	1-3	Performance and Production Practicum V
THE 3350	2-3	Script Analysis
THE 3370	3	The Theatre Professional
THE 4416	1-3	Performance and Production Practicum VI
THE 4443	3	Theatre History I
THE 4444	3	Theatre History II
THE 4451	3	Directing I
THE 4454	2	Creative Project (non-teaching majors)
THE 4455	1-2	Theatre Senior Capstone (non-teaching majors)

Select the remaining seven (7) hours of advisor-approved electives. Theatre majors are strongly encouraged to select THE elective courses to complete the 120 hour degree expectation.

REQUIRED COURSES (*For Students Seeking P-12 Theatre Education Degree)*

THE 2215	1-3	Performance and Production Practicum II
THE 2216	1-3	Performance and Production Practicum III
THE 2271	2-3	Fundamentals of Scenery and Lighting
THE 2272	2-3	Fundamentals of Costumes and Makeup
THE 3301	3	Acting I 3 Credit Hour(s)
THE 3313	2	Creative Drama
THE 3315	1-3	Performance and Production Practicum IV
THE 3350	2-3	Script Analysis
THE 3365	3	Fundamentals of Design for Theatre
THE 4441	2	Oral Interpretation
THE 4443	3	Theatre History I
THE 4444	3	Theatre History II
THE 4451	3	Directing
THE 4452	2-3	Directing II
THE 4456	2	Developing an Educational Theatre Program

PROFESSIONAL STUDIES *(For students seeking P-12 Theatre Education degree)*

EDU 3310	3	Introduction to Education
EDU 4400	3	Classroom Management
EDU 4471	3	Curriculum and Instructional Delivery
EDU 3305	3	Teaching with Technology
SPE 3340	3	Introduction to Special Education
RED 4401	3	Reading in the Content Areas
THE 4481	3	Methods and Materials for the Theatre Teacher
THE 3346	3	Educational and Psychology Assessment in Fine Arts
THE 4472	9	Internship in Grades P-12
IED 4454	3	Internship Seminar for Interdisciplinary Education

COMMUNICATION STUDIES MINOR

(18 Hours)

Select 18 hours of 3000 and/or 4000 level communication studies courses. COM 2241 or COM 2243 may not be counted toward the minor.

DANCE, BACHELOR OF FINE ARTS

(64 Hours)

Students accepted into the BFA dance program must be able to execute a physical understanding of dance vocabulary and positions. To remain in the program following the first year, a student must demonstrate the capability to move to level II in either ballet or contemporary. Students will be placed into the appropriate techniques level each semester**.**

To complete the degree, students should enroll in techniques courses each semester, completing a total of 32 hours (4 hours at the General Studies Area V level, and 28 hours in the major program below). Students must demonstrate proficiency in the level enrolled in order to move to the next level and must achieve at least the 3000 level with a minimum of 2 semesters in both contemporary and ballet. Techniques courses may be repeated.

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area II

THE 1130	3	Introduction to Theatre
ENG 2205	3	World Literature before 1660
ENG 2206	3	World Literature after 1660

Area V Requirements

ART 2208	3	Digital Tools
TROY 1101	1	The University Experience
DAN 1112	2	Contemporary Technique I
DAN 1115	2	Ballet Technique I
DAN 1150	1	Creative Habit

DAN 2240 2 Writing for Dance
DAN 2289 1 The Dance Professional
THE 1115 1-3 Performance and Production Practicum I
Choose one of the following THE courses:
THE 2271 2-3 Fundamentals of Scenery and Lighting
THE 2272 2-3 Fundamentals of Costumes and Makeup

TECHNIQUES COURSES *(may be repeated for credit)*
DAN 1112 2 Contemporary Technique I
DAN 1115 2 Ballet Technique I
DAN 2212 2 Contemporary Technique II
DAN 2215 2 Ballet Technique II
DAN 3312 2 Contemporary Technique III
DAN 3315 2 Ballet Technique III
DAN 4412 2 Contemporary Technique IV
DAN 4415 2 Ballet Technique IV
Complete the following advanced dance courses:
DAN 3340 2 Dance Composition and Choreography I
DAN 3353 3 Anatomy and Alignment
DAN 3354 2 Improvisation
DAN 3389 1 Creative Project Conception
DAN 4410 3 The History of Ballet
DAN 4411 3 The History of Modern-Contemporary Dance
DAN 4440 3 Composition and Choreography II
DAN 4478 2 Pedagogy for Contemporary Dance
DAN 4480 2 Pedagogy for Ballet
DAN 4489 2 Creative Project Presentation
Complete the following theatre courses:
THE 3300 2-3 Fundamentals of Acting
THE 3352 2 Sound Techniques
Choose one of the following technical theatre courses:
THE 3302 2 Costume Techniques
THE 3303 1 Makeup Techniques
THE 3304 2 Lighting Techniques
Select 6 hours from the following courses:
DAN 1130 1 Social Dance in the 21st Century
DAN 1134 1 Ballroom Dance
DAN 1137 1 Tap I
DAN 2214 2 Pointe Ballet Technique I
DAN 2228 1 Contemporary Partnering
DAN 2236 2 Jazz II
DAN 2237 1 Tap II
DAN 3300 2 Musical Theatre Dance I
DAN 3314 2 Pointe Ballet II
DAN 3330 1-3 Special Topics in Dance
DAN 3336 2 Jazz III
DAN 3350 2 Conditioning
DAN 3351 2 Men's Ballet Technique *(may be repeated for credit)*
DAN 3352 2 Pas de deux
DAN 3355 2 Commercial Dance I
DAN 3356 2 Commercial Dance II
DAN 3360 2 Musical Theatre Dance II
DAN 3380 1-3 Travel Study in Dance
DAN 4400 1 Repertory Ensemble ******
THE 3303 1 Makeup Techniques
THE 3316 3 Acting II
THE 3331 3 Costume Design
THE 3344 3 Lighting Design

*Repertory Dance Ensemble may count only **twice** toward the completion of the major.

DANCE MINOR

(18 Hours)

REQUIRED
DAN 1112 2 Contemporary Technique I **or** placement
DAN 1115 2 Ballet Technique I **or** placement
DAN 1115 2 Ballet Technique I **or** placement
DAN 4410 3 The History of Ballet
Note: Dance minors will be placed by audition into the appropriate level in ballet and contemporary.
Choose 9 hours from the following:
DAN 1130 1 Social Dance in the 21st Century
DAN 1134 1 Ballroom Dance
DAN 1137 1 Tap I
DAN 2212 2 Contemporary Technique II
DAN 2214 2 Pointe Ballet Technique I
DAN 2215 2 Ballet Technique II
DAN 2232 2 Beginning-Intermediate Contemporary for Non-Majors
DAN 2237 1 Tap II
DAN 2250 2 Music Fundamentals for Theatre and Dance
DAN 2289 1 The Dance Professional 1
DAN 3300 2 Musical Theatre Dance I
DAN 3314 2 Pointe Ballet II
DAN 3330 1-3 Special Topics in Dance
DAN 3336 2 Jazz III
DAN 3340 2 Dance Composition and Choreography I
DAN 3350 2 Conditioning
DAN 3351 2 Men's Ballet Technique
DAN 3352 2 Pas de deux
DAN 3354 2 Improvisation
DAN 3355 2 Commercial Dance I
DAN 3356 2 Commercial Dance II
DAN 3360 2 Musical Theatre Dance II
DAN 4400 1 Repertory Ensemble *****
DAN 4440 3 Composition and Choreography II
DAN 4411 3 The History of Modern-Contemporary Dance
DAN 4480 2 Pedagogy for Ballet*****
DAN 4400 1 Repertory Dance Ensemble*****

*****May only count **twice towards the completion of the minor.**

ENGLISH-LANGUAGE ARTS PROGRAM

(125 Hours)

Students seeking Alabama teacher certification should complete the English major and the required courses for language arts, in addition to selecting education as a second major. Students should consult their advisers concerning all certification requirements.

SPECIALIZED GENERAL STUDIES REQUIREMENTS:
See the general studies section of this catalog for additional information.
Area II
COM 2241 3 Fundamentals of Speech
THE 1130 3 Introduction to Theatre
ENG 2205 3 World Literature before 1660
ENG 2206 3 World Literature after 1660
Area V Requirements
ENG 2211 3 American Literature before 1875
ENG 2212 3 American Literature after 1875
ENG 2244 3 British Literature before 1785
ENG 2245 3 British Literature after 1785
COM 1101 3 Introduction to Communication and Media
LDR 1100 3 Introduction to Leadership
TROY 1101 1 The University Experience

REQUIRED COURSES FOR LANGUAGE ARTS

COM 4441	2	Oral Interpretation **OR** THE 4441 Oral Interpretation
THE 2211	1	Theatre for Youth
THE 4451	3	Directing I
ENG 3341	3	Advanced Grammar I
ENG 3371	3	Literature for Adolescents
ENG 4405	3	History of the English Language
ENG 4478	3	Theory and Practice of Composition: Writing and Learning Across the Curriculum

Select 12 hours of upper division English electives, six of which must be at the 4000 level, three of which may be upper-level creative writing.

ENGLISH MAJOR

(36 Hours)

Area II Requirements

ENG 2205	3	World Literature before 1660
ENG 2206	3	World Literature after 1660

Area V Requirements

ENG 2211	3	American Literature before 1875
ENG 2212	3	American Literature after 1875
ENG 2244	3	British Literature before 1785
ENG 2245	3	British Literature after 1785
TROY 1101	1	The University Experience
LDR 1100	3	Introduction to Leadership

MAJOR REQUIREMENTS

ENG 3341	3	Advanced Grammar I
ENG 4495	3	Senior Seminar in English

Select an additional 30 hours of upper division English courses, at least nine of which are at the 4000 level or above.

Professional Writing Emphasis

Students may select the Professional Writing Emphasis. In addition to ENG 3341 and ENG 4495, the following courses are required:

ENG 2260	3	Introduction to Technical and Professional Writing
ENG 3345	3	Technical and Professional Editing
ENG 3365	3	Advanced Technical & Professional Writing
ENG 3366	3	Professional Document Design
ENG 4488	3	Seminar in Professional Writing Portfolio Development
ENG 4490	1-3	Professional Writing Internship **1-3 Credit**

Select an additional four courses:

ENG 3320	3	Introduction to Linguistics
ENG 3351	3	Introduction to Creative Writing I
ENG 3352	3	Advanced Creative Writing I
ENG 4400	3	Selected Topics in Literature and/or Professional Writing
ENG 4405	3	History of the English Language
ENG 4419	3	Advanced Writing

ENGLISH MINOR

(18 Hours)

REQUIRED COURSES

ENG 3341	3	Advanced Grammar I

Select one sequence:

ENG 2211	3	American Literature before 1875
ENG 2212	3	American Literature after 1875

OR

ENG 2244	3	British Literature before 1785
ENG 2245	3	British Literature after

Select an additional nine hours of upper division English courses.

ENGLISH MINOR, CREATIVE WRITING

(18 Hours)

REQUIRED COURSES

ENG 3351	3	Introduction to Creative Writing I

Select an additional 15 hours from the following:

THE 3360	3	Playwriting I
ENG 3352	3	Advanced Creative Writing I
ENG 3353	3	Advanced Creative Writing II
ENG 3354	3	Advanced Nonfiction Writing
ENG 3355	3	Verse Writing
ENG 3356	3	Form and Theory of Fiction
ENG 4420	3	Selected Topics in Creative Writing
ENG 4427	3	Contemporary American Literature
ENG 4489	3	Internship

ENGLISH MINOR, PROFESSIONAL WRITING EMPHASIS

(18 Hours)

REQUIRED COURSES

ENG 2260	3	Introduction to Technical and Professional Writing
ENG 3345	3	Technical and Professional Editing
ENG 3365	3	Advanced Technical & Professional Writing
ENG 3366	3	Professional Document Design

Select an additional six hours from the following:

ENG 3320	3	Introduction to Linguistics
ENG 3351	3	Introduction to Creative Writing I
ENG 3352	3	Advanced Creative Writing I
ENG 4400	3	Selected Topics in Literature and/or Professional Writing
ENG 4405	3	History of the English Language
ENG 4419	3	Advanced Writing
ENG 4488	3	Seminar in Professional Writing Portfolio Development
ENG 4490	1-3	Professional Writing Internship

FINE AND PERFORMING ARTS MINOR

(18 Hours)

Select 18 hours of adviser approved courses from the following disciplines: Art, Dance, Music and Theatre. Approval of the Chair of the discipline and the Dean of the College of Communication and Fine Arts is required.

GRAPHIC DESIGN MAJOR

(41 Hours)

Students must earn a grade of "C" or better in all courses in their major. Under no condition may a student enroll in a 4000-level course in their major without the satisfactory completion of the lower-level courses.

Area V Requirements

TROY 1101	1	The University Experience
ART 2208	3	Digital Tools
ART 1145	3	Foundations of Form and Space
ART 1150	3	Foundations of Time and Space
ART 2210	3	Introduction to Digital Drawing
ART 2250	3	Survey of Art History I
ART 2251	3	Survey of Art History II
ART 2230	3	Color and Technology

CORE COURSES (39 HOURS)

ART 3308	3	Graphic Design Principles & Practices
ART 3310	3	Motion Graphics Principles & Practice
ART 3315	3	User Interface Design**)**
ART 3324	3	Concept and Process
ART 3325	3	Typography
ART 3340	1	Portfolio Design
ART 3342	1	The Business of Art/Design
ART 3350	3	Research and Criticism
ART 3355	3	Graphic Design History
ART 3360	1	Exhibition Techniques
ART 4450	3	User Experience Design
ART 4424	3	Design Studio *
ART 4499	3	Thesis Exhibition

Select six (6) credit hours of art electives.

Notes: *All students in the Graphic Design program must take Thesis Exhibition course either during the last semester or the semester before graduating. Thesis Exhibition is not offered during the summer sessions.*

*Any course with asterisk (*) can be repeated up to 6 credit hours.

ADDITIONAL REQUIREMENTS:
Select a Minor or an Interdisciplinary contract offering for Graphic Design program (18 hours)

If you cannot find a suitable minor please meet with your Department Chair to discuss a contractual plan minor from one of the following areas:

- Advertising Writing
- Multi-media Design**
- Literature/Writing
- 2D Studio
- Illustration
- Other areas (see advisor for options to customize contracts)

**This specialized concentration involves the designing of educational and entertainment software interfaces. This contractual plan of study requires a one-semester at Halmstad University, Sweden. For more information about contracts and options available, contact the Department of Art and Design.

GRAPHIC DESIGN MINOR

(18 Hours)

REQUIRED COURSES

ART 1145 - Foundations of Form and Space **3 Credit**
ART 2208 - Digital Tools **3 Credit Hour(s)**
ART 2210 - Introduction to Digital Drawing **3 Credit**
ART 2230 - Color and Technology **3 Credit Hour(s)**
ART 3308 - Graphic Design Principles & Practices **3 Credit**
ART 3325 - Typography 3 Credit Hour(s)

HISTORY MAJOR

(36 Hours)

History Majors/Minors will receive credit for no more than six hours of 3000-level and 4000-level history courses taken before or concurrently with HIS 3375.

SELECT ONE EMPHASIS BELOW:

AMERICAN/LATIN AMERICAN EMPHASIS

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area IV

Select a six hour sequence in Western Civilization or World History.
Select additional Area IV courses as specified in the General Studies section of this catalog.

Area V Requirements

GEO 2210	3	World Regional Geography
HIS 1111	3	U.S. to 1877 **or** placement
HIS 1112	3	U.S. since 1877 **or** placement
LDR 1100	3	Introduction to Leadership
TROY 1101	1	The University Experience

REQUIREMENTS FOR THE MAJOR

HIS 3375	3	Research and Methodology
HIS 4490	3	Senior Seminar in History

Select 18 hours of approved upper-level American/Latin American courses.
Select 12 hours of approved upper-level European/Asian/ African courses.

EUROPEAN/ ASIAN/ AFRICAN EMPHASIS

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area IV

Select a six hour sequence in Western Civilization or World History.
Select six hours of additional Area IV courses as specified in the General Studies section of this catalog.

Area V Requirements

GEO 2210	3	World Regional Geography
HIS 1111	3	U.S. to 1877 **or** placement
HIS 1112	3	U.S. since 1877 **or** placement
LDR 1100	3	Introduction to Leadership
TROY 1101	1	The University Experience

REQUIREMENTS FOR THE MAJOR

HIS 3375	3	Research and Methodology
HIS 4490	3	Senior Seminar in History

Select 18 hours of approved, upper-level European/Asian/ African courses
Select 12 hours of approved, upper-level American/Latin American courses.

ACCELERATED LAW CURRICULUM OPTION

Students majoring in History and minoring in Legal Studies may select the Accelerated Law Curriculum Option. See the Accelerated Law Curriculum section the catalog for more information.

The 30 semester hours from partnered institution will be credited as follows:

- 9 hours will be applied to the Legal Studies Minor
- 9 hours will be applied to the History Major
  - Civil Procedure I (3 HR)
  - Civil Procedure II (3 HR)
  - Criminal Law (3 HR)
- 12 hours will be applied to Area V General Studies

HISTORY EDUCATION

(36 Hours)

Students seeking Alabama teacher certification should consult the College of Education portion of the catalog for major requirements. Students should consult their education advisers concerning all certification requirements and their academic discipline adviser for requirements in the field**.**

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area IV

POL 2241	3	American National Government
SOC 2275	3	Introduction to Sociology

Select one six-hour sequence:

HIS 1101	3	Western Civilization I or placement
HIS 1102	3	Western Civilization II or placement
OR		
HIS 1122	3	World History to 1500
HIS 1123	3	World History from 1500

Area V Requirements

GEO 2210	3	World Regional Geography
HIS 111	3	U.S. to 1877 or placement
HIS 1112	3	U.S. since 1877 or placement
LDR 1100	3	Introduction to Leadership
TROY 1101	1	The University Experience

Major Requirements

HIS 3316	3	History of Alabama
HIS 3375	3	Research and Methodology
HIS 4490	3	Senior Seminar in History

Major Emphasis

Select 15 hours of upper-level American/Latin American courses or 15 hours of upper-level courses European/Asian/African

Minor Emphasis

Select an additional 12 hours of upper-level American/Latin American courses or 12 hours of upper-level European/Asian/African courses

Note: Minor Emphasis area of study must be different from Major Emphasis area.

HISTORY MINOR

(18 Hours)

History Majors/Minors will receive credit for no more than six hours of 3000-level and 4000-level history courses taken before or concurrently with HIS 3375.

OURSES

HIS 3375	3	Research and Methodology

Select 15 hours of upper-level history courses.

Note: *HIS 1111 and HIS 1112 or permission of instructor are prerequisites for upper-level American/Latin American history courses. HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of instructor are prerequisite for upper-level European/Asian/African history courses.*

HUMANITIES MINOR

(18 Hours)

Select 18 hours from three of the five areas. No more than 9 hours may be elected in any one area.

Fine Arts

ART 2250	3	Survey of Art History I
ART 2251	3	Survey of Art History II
MUS 2250	3	Survey of Western Music History I
MUS 2251	3	Survey of Western Music History II
THE 4443	3	Theatre History I
THE 4444	3	Theatre History II

Thought and Belief

PHI 3301	3	Western Philosophy
PHI 3320	3	Non-Western Philosophies
PHI 3322	3	Philosophy of Religion
HIS 3302	3	History of Religion in the United States

Culture and Society

HIS 3346	3	Cultural History of the United States to 1877
HIS 3347	3	Cultural History of the United States since 1877

Approved courses with a humanities focus.

Language and Literature

Approved language courses with a humanities focus and literature courses in all languages.

Travel and Study

Approved travel study courses with a humanities focus.

MINOR IN ILLUSTRATION

(18 Hours)

Art and Design Courses

Take the following courses:

ART 2201	3-5	Introductory Drawing
OR		
ART 2210	3	Introduction to Digital Drawing
ART 3301	3-5	Life Drawing
ART 3318	3-5	Conceptual Drawing
ART 3326	3	Digital Illustration

Choose two elective courses (six hours) within the Department of Art and Design

MINOR IN INTEGRATED ARTS

(18 Hours)

REQUIRED COURSES (9 HOURS)

IA 1150	1	Integrated Arts and the Creative Habit
IA 2235	2	Creative Collaborations, Teams, and Partnerships
IA 3335	2-3	Integrated Arts Concept and Design
IA 3340	1-3	Integrated Arts Production*

RECOMMENDED ELECTIVES

An additional 9 hours should be selected from the list of recommended electives below

ART 4435	3	Collaborative Studio
ENT 2200	3	Innovation and Creative Thinking
ENT 2210	3	Entrepreneurial Leadership
3DP 2220	3	Fundamentals of 3D Modeling and Printing for Art and Industry
3DP 2230	3	Large Format Printing and Sustainable Materials for Art and Industry
3DP 3320	3	Constructive Disruption: Design Process and Workflow
3DP 3330	3	Product Development and Assistive Design
IA 3340	1-3	Integrated Arts Production
IA 4496	3-6	Integrated Arts Internship
IA 3365	1-3	Special Topics in Integrated Arts
IA 3366	1-3	Special Topics in Integrated Arts
IDS 1101	3	Global Challenges

IDS 2200	3	Crossroads: Sophomore Interdisciplinary Seminar in Creative Thinking
IDS 2201	3	Applications in Public Service
LDR 1100	3	Introduction to Leadership
LDR 2200	3	Tools for Leaders
LDR 2210	3	Leadership and Interpersonal Skills
XXX 33XX	3	Study Abroad Course *(Student selects discipline)*
XXX 44XX	3	Internship Course *(Student selects discipline)*

- *ART/DAN/MUS/THE Special Topics course in an arts discipline*
- *Or other courses approved by the IA minor advisor. Elective course in the arts disciplines (ART, DAN, MUI, MUS, and THE) are highly recommended*

Note: *Any course with asterisk (*) can be repeated for credit

INTERDISCIPLINARY MINOR IN EASTERN AND CENTRAL EUROPEAN, RUSSIAN, AND EURASIAN STUDIES

(18 Hours)

REQUIRED COURSES

RUS 1101	3	Introductory Russian I
RUS 1102	3	Introductory Russian II

Select four classes (12 hours) from the following electives:

GEO 3307	3	Geography of Europe
GEO 4426	3	Geography of the Russian Realm
HIS 4404	3	Modern Eastern Europe
HIS 4433	3	Modern Russia
HIS 4469	3	Europe since World War II
POL 4468	3	Russian Politics
POL 4470	3	European Politics

JOURNALISM MINOR

(18 Hours)

REQUIRED COURSES

JRN 1100	3	Media Technologies
JRN 1102	3	Media Writing
JRN 2201	3	Reporting
JRN 2230	3	Principles of Journalism and Mass Media
JRN 4425	3	Media Law and Ethics

Select 3 hours of 3000 and/or 4000 level courses in Advertising, Communication, Journalism, or Public Relations.

BACHELOR OF ARTS IN MUSIC-GENERAL MUSIC FOCUS

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area II Requirements

MUS 2240	3	World Music Cultures
MUS 2250	3	Survey of Western Music History I
MUS 2251	3	Survey of Western Music History II

Area V Requirements

MUS 1102	3	Music Theory I
MUS 1103	3	Music Theory II
MUS 1107	1	Aural Skills I
MUS 1108	1	Aural Skills II
MUS 1105	1	Class Piano I
MUS 1106	1	Class Piano II
MUS 3305	3	Music Technologies
MUS XXX	8	Advisor Approved Ensembles

MUSIC CONTENT

MUS 2202	3	Music Theory III
MUS 2203	3	Music Theory IV
MUS 2207	1	Aural Skills III
MUS 4499	1	Senior Recital
MUS 2210 -4428	6	Private Instruction

*Select **13 hours** of upper division music elective courses (3000-4000 level)*

ADDITIONAL REQUIREMENTS

The Bachelor of Arts degree requires that **12 hours** in world language (classical or modern) offered by the Department of World Languages and Cultures in a language other than the student's native language must be completed as part of the departmental program(s) or as free electives.

All Bachelor of Arts in Music - General Music Focus majors must also select one **18-hour minor**.

BACHELOR OF MUSIC EDUCATION

*Students seeking Alabama teacher certification in choral or instrumental music should select the following courses AND the courses listed under either the choral or instrumental emphasis track below. Additionally, music education students should select education as a second major. Students should consult with their advisors concerning all certification requirements.**

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area II Requirements

MUS 2240	3	World Music Cultures
MUS 2250	3	Survey of Western Music History I
MUS 2251	3	Survey of Western Music History II

Area V Requirements

MUS 1102	3	Music Theory I
MUS 1103	3	Music Theory II
MUS 1107	1	Aural Skills I
MUS 1108	1	Aural Skills II
MUS 1105	1	Class Piano I
MUS 1106	1	Class Piano II

PROFESSIONAL STUDIES

EDU 3310	3	Introduction to Education
MUS 3305	3	Music Technologies
EDU 4471	3	Curriculum and Instructional Delivery
MUS 3346	3	Educational Psychology & Classroom Assessment in Fine Arts
MUS 4403	3	Classroom Management for the Music Educator
MUS 4460	3	Music for the Diverse Learner
RED 4401	3	Reading in the Content Areas
MUS 4481	3	Methods and Materials for the Secondary Music Teacher
IED 4454	3	Internship Seminar for Interdisciplinary Education **(**Must be taken with Internship)
MUS 4472	9	Internship in Music Education

TEACHING FIELD

MUS 2202	3	Music Theory III
MUS 2203	3	Music Theory IV
MUS 2207	1	Aural Skills III
MUS 3306	3	Conducting
MUS 4461	2	Orchestration and Arranging
MUS 4471	3	Music for ECE and Elementary School
MUS 4499	1	Senior Recital
MUS 2210 -4428	6	Private Instruction

Select 2 courses from the following for a total of two credits:

MUS 3385	1	Symphony Band
MUS 3386	1	Jazz Ensembles
MUS 3387	1	Concert Chorale
MUS 4436	1	Vocal Jazz Ensemble

Choral Emphasis Track *

MUS 1183	1	Collegiate Singers (repeat for a total of **seven** credits)
MUS 3340	1	Diction for Singers
MUS 3341	1	Vocal Pedagogy
MUS 3360	1	Wind and Percussion Methods
MUS 3354	1	Class Strings
MUS 2214	1	Private Instruction - Piano **OR** MUS 2216 Private Instruction - Voice
MUS 3382	3	Choral Techniques

Instrumental Emphasis Track *

MUS 1181	1	Band (repeat for a total of **seven** credits)
MUS 3351	1	Class Brass
MUS 3352	1	Class Woodwinds
MUS 3353	1	Class Percussion
MUS 3354	1	Class Strings
MUS 3356	1	Class Voice
MUS 3384	3	Band Techniques

MUSIC, CHORAL EDUCATION

See Choral Emphasis Track under the Music Major.

MUSIC, INSTRUMENTAL EDUCATION

See Instrumental Emphasis Track under the Music Major.

MUSIC MINOR

(18 Hours)

Required Courses

MUS 1102	3	Music Theory I
MUS 1103	3	Music Theory II
MUS 1107	1	Aural Skills I
MUS 1108	1	Aural Skills II

Select three hours from Private Instruction MUS 1110-1128.

Select seven hours from the following courses:

MUS 1105	1	Class Piano I
MUS 1106	1	Class Piano II
MUS 2202	3	Music Theory III
MUS 2203	3	Music Theory IV
MUS 2207	1	Aural Skills III
MUS 2250	3	Survey of Western Music History I
MUS 2251	3	Survey of Western Music History II
MUS 3306	3	Conducting

Note: *Two hours of the above selection may be from the following ensemble courses: MUS 1181, MUS 1183, MUS 3385, MUS 3386, MUS 3387.*

MUSICOLOGY MINOR

(18 Hours)

Minor Requirements

MUS 1148	2	World Music Workshop
ANT 3310	3	Cultural Anthropology
MUS 2240	3	World Music Cultures

Select at least 4 hours of Traditional Music Ensembles for a total of four credits: (repeated and multiple ensembles permitted)

MUS 1145	1	Folk Music of the Americas
MUS 1146	1	Chinese Folk Ensemble
MUS 1147	1	Celtic Ensemble
MUS 1149	1	Sangeet Ensemble

Select 6 hours from the following courses:

ANT 3340	3	Language in Culture and Society
ANT 3360	3	Magic, Witchcraft and Religion
ENG 3305	3	Folklore/Mythology
GEO 2210	3	World Regional Geography
MUS 2250	3	Survey of Western Music History I
MUS 2251	3	Survey of Western Music History II
PHI 2280	1-3	Travel Study in Philosophy
PHI 3310	3	Applied Ethics
PHI 3320	3	Non-Western Philosophies
REL 2280	3	World Religions

BACHELOR OF SCIENCE IN MUSIC-MUSIC INDUSTRY FOCUS

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area II Requirements

MUS 2240	3	World Music Cultures
MUS 2250	3	Survey of Western Music History I
MUS 2251	3	Survey of Western Music History II

Area V Requirements

MUI 2230	3	Survey of Music Industry
MUI 3305	3	Music Technologies

Select 14 hours of advisor-approved courses from the following:

MUI 1101	1	American Popular Music Ensemble
MUI 2201	1	Improvisation
MUI 3310	3	Audio Principles and Techniques I
MUI 3315	2	Song Writing
MUI 3325	2	Recording Studio I
MUI 3326	2	Recording Studio II
MUI 3340	2	Live Sound Reinforcement
MUI 3345	2	Audio for Producers
MUI 3346	2	Studio Repair & Maintenance
MUI 3360	2	Audio Principles and Techniques II
MUI 4410	2	Arts Management/Concert Production
MUI 44202	2	Film Scoring
MUI 4430	2	Marketing of Recorded Music
MUI 4435	2	Music Merchandising
MUI 4448	2	Audio Mixing and Mastering
MUI 4460	3	Senior Practicum
MUS 4491	1-3	Guided Independent Research
MUS 4492	1-3	Guided Independent Research
MUS 4493	1-3	Guided Independent Study
MUS 4494	1-3	Guided Independent Study

MUSIC CONTENT

MUS 1102	3	Music Theory I
MUS 1103	3	Music Theory II

MUS 1105	1	Class Piano I
MUS 1106	1	Class Piano II
MUS 1107	1	Aural Skills I
MUS 1108	1	Aural Skills II 1
MUS 2202	3	Music Theory III
MUS 2203	3	Music Theory IV
MUS 2207	1	Aural Skills III
MUS 3306	3	Conducting
MUS 4461	2	Orchestration and Arranging
MUS 4499	1	Senior Recital
MUI 4499	9	Music Industry Internship
MUS 2210 -4428	6	Private Instruction

Select 4 courses from the following for a total of four credits: (repeated and multiple ensembles permitted):

MUS 1150	1	Guitar Ensemble
MUS 1181	1	Band
MUS 1183	1	Collegiate Singers
MUI 1101	1	American Popular Music Ensemble
MUS 3386	1	Jazz Ensembles
MUS 4436	1	Vocal Jazz Ensemble

Note: All Bachelor of Science in Music - Music Industry Focus majors must also select one **18-hour minor.**

MUSIC INDUSTRY MINOR

(18 Hours)

REQUIRED COURSES

All MUI Minors will successfully complete the following courses before enrolling in any MUI electives:

MUI 2230	3	Survey of Music Industry 3 Credit Hour(s)
MUI 3305	3	Music Technologies 3 Credit Hour(s)

Select 12 hours from the following courses with the approval of the MUI Coordinator:

MUI 1101	1	American Popular Music Ensemble
MUI 2201	1	Improvisation
MUI 3310	3	Audio Principles and Techniques I
MUI 3315	2	Song Writing
MUI 3325	2	Recording Studio I
MUI 3326	2	Recording Studio II
MUI 3340	2	Live Sound Reinforcement
MUI 3345	2	Audio for Producers
MUI 3346	2	Studio Repair & Maintenance
MUI 3360	2	Audio Principles and Techniques II
MUI 4410	2	Arts Management/Concert Production
MUI 4420	2	Film Scoring
MUI 4430	2	Marketing of Recorded Music
MUI 4435	2	Music Merchandising
MUI 4448	2	Audio Mixing and Mastering
MUS 4491 -4494	1-3	Guided Independent Research

MULTIMEDIA JOURNALISM MAJOR

(36 Hours)

Area II Requirements

COM 2241	3	Fundamentals of Speech

Area V Requirements

COM 1101	3	Introduction to Communication and Media
JRN 1100	3	Media Technologies
JRN 1102	3	Media Writing
TROY 1101	1	The University Experience

REQUIREMENTS FOR THE MAJOR

COM 2220	3	Interviewing and Information
JRN 2201	3	Reporting
JRN 2211	3	Media Design
JRN 3312	3	Advanced Media Design
JRN 3315	3	Advanced Reporting
JRN 3360	3	Broadcast Writing
JRN 4425	3	Media Law and Ethics
JRN 4440	3	Advanced Media Technologies
JRN 4489	5	Internship
JRN 4495	1	Communication Seminar

Select <u>six</u> hours of upper level advertising, Communication Studies, Journalism, or Public Relations courses.

ART 3324	3	Concept and Process
ART 3325	3	Typography
ART 3355	3	Graphic Design History

Select additional six (<u>6</u>) credit hours in an upper level art or art history.

Note: (All students in the BFA program must take Thesis Exhibition course either during the last semester or the semester before graduating. Thesis Exhibition is not offered during the summer sessions.)

Any course with asterisk (*) can be repeated up to 6 credit hours.

PHILOSOPHY AND RELIGION MINOR

(18 Hours)

Select 9 hours from the following:

PHI 2201	3	Introduction to Political Philosophy
PHI 2203	3	Introduction to Philosophy
PHI 2204	3	Ethics and the Modern World
PHI 2205	3	Introduction to Logic
PHI 2210	3	Critical Thinking
PHI 2215	3	General Topics in Philosophy
PHI 2280	1-3	Travel Study in Philosophy
REL 2210	3	Introduction to Biblical Studies
REL 2230	3	General Topics in Religion
REL 2280	3	World Religions
REL 2285	1-3	Travel Study in Religion

Select 9 hours from the following upper division courses:

At least 6 hours must be philosophy (PHI) courses.

PHI 3301	3	Western Philosophy
PHI 3310	3	Applied Ethics
PHI 3320	3	Non-Western Philosophies
PHI 3322	3	Philosophy of Religion
PHI 3365	3	Bioethics in Historical Context **OR** HIS 3365 Bioethics in Historical Context
PHI 3380	1-3	Travel Study in Philosophy
PHI 4493	1-3	Guided Independent Study
PHI 4494	1-3	Guided Independent Study
PHI 4495	3	Selected Topics in Philosophy
PHI 4499	1-3	Internship in Philosophy
REL 3301	3	Early Christian Gospels
REL 3380	1-3	Travel Study in Religion
REL 4499	1-3	Internship in Religion
ANT 3340	3	Language in Culture and Society
ANT 3360	3	Magic, Witchcraft and Religion
CLA 3311	3	Civilization of Greece
HIS 3302	3	History of Religion in the United States
HIS 3331	3	Western Thought since the 17th Century

HIS 4452	3	History of the Medieval Middle East
HIS 4453	3	History of the Modern Middle East
HIS 4463	3	Europe in the Age of Enlightenment

PHOTOGRAPHY AND VIDEO MINOR

(18 Hours)

REQUIRED COURSES

ART 2255	3	History of Photography
ART 3328	3-5	Digital Photo Studio
ART 3348	3-5	Intermediate Photo Studio
ART 4428	3-5	Advanced Photo Studio

Select six (6) credit hours from the following, or courses with approval of program director:

ART 2228	3-5	Photo Studio Darkroom
ART 3310	3	Motion Graphics Principles & Practice
ART 3375	3	Special Topics in Art/Design
ART 3380	1-3	Travel Study in Art/Photography
JRN 3300	3	Digital News Photography
JRN 3365	3	TV Studio Techniques and Producing
JRN 4400	1-3	Special Topics in Journalism
ENG 3310	3	Fiction and Film
THE 1132	3	Introduction to Film

SPANISH MINOR

(18 Hours)

Select 18 hours of Spanish courses.

SPORTS MEDIA MINOR

(18 Hours)

REQUIRED COURSES

JRN 2211	3	Media Design
JRN 3327	3	Sports Broadcasting
JRN 3335	3	Social Media Strategy and Engagement
JRN 3328	3	Principles of Sports Media
JRN 4427	3	Sports Reporting
JRN 4460	3	Network Sports Production

STRATEGIC COMMUNICATION IN PUBLIC RELATIONS AND ADVERTISING MINOR

(18 Hours)

REQUIRED COURSES

ADJ 3322	3	Advertising Copywriting
ADJ 4451	3	Advertising Media Planning
PRJ 2230	3	Principles of Public Relations and Advertising
PRJ 3321	3	Public Relations Cases and Strategies
PRJ 4423	3	Public Relations Campaigns

*Select at least 3 hours of additional 3000-4000 courses as approved by your faculty advisor***:** *Advertising, Communication Studies, Journalism, or Public Relations.*

BACHELOR OF FINE ARTS IN STUDIO ART

(60 Hours)

Students must earn a grade of "C" or better in all courses in their major. Under no condition may a student enroll in a 4000-level course in their major without the satisfactory completion of the lower-level courses.

Area V Requirements

TROY 1101	1	The University Experience
ART 2208	3	Digital Tools
ART 1145	3	Foundations of Form and Space
ART 1150	3	Foundations of Time and Space
ART 2201	3-5	Introductory Drawing
ART 2250	3	Survey of Art History I
ART 2251	3	Survey of Art History II

CORE COURSES (36 HOURS)

ART 2202	3-5	2D Studio I
ART 2204	3-5	3D Studio I
ART 2205	3-5	3D Studio II
ART 2206	3-5	2D Studio II
ART 2230	3	Color and Technology
ART 3301	3-5	Life Drawing
ART 3318	3-5	Conceptual Drawing
ART 3328	3-5	Digital Photo Studio
ART 3340	1	Portfolio Design
ART 3342	1	The Business of Art/Design
ART 3350	3	Research and Criticism
ART 3360	1	Exhibition Techniques
ART 4496	3/6	Internship
ART 4499	3	Thesis Exhibition

Select one of the following concentration options:
2D Studio, 3D Studio, Photo Studio, or Digital Studio

2D Studio Concentration (24 hours)

ART 3330	3-5	2D Studio III
ART 4430	3-5	2D Studio IV
ART 4435	3	Collaborative Studio*
ART 3323	3	Modern and Contemporary Art History

Select additional twelve (12) credit hours in an upper level art or art history

3D Studio Concentration (24 hours)

ART 3331	3-5	3D Studio III
ART 4431	3	3D Studio IV
ART 4435	3	Collaborative Studio*
ART 3323	3	Modern and Contemporary Art History

Select additional twelve (12) credit hours in an upper level art or art history.

Photo Studio Concentration (24 hours)

ART 2228	3-5	Photo Studio Darkroom
ART 2255	3	History of Photography
ART 3348	3-5	Intermediate Photo Studio
ART 4428	3-5	Advanced Photo Studio
ART 4435	3	Collaborative Studio*

Select additional nine (9) credit hours in an upper level art or art history.

Digital Studio Concentration (24 hours)

ART 2210	3	Introduction to Digital Drawing
ART 3308	3	Graphic Design Principles & Practices
ART 3310	3	Motion Graphics Principles & Practice

TESOL (TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES) MINOR

(18 Hours)

REQUIRED COURSES

ENG 3320	3	Introduction to Linguistics
ENG 3341	3	Advanced Grammar I
ENG 4468	3	Methods and Approaches in Second Language Teaching

Select additional nine (9) hours:

ENG 3380	3	Sociolinguistics: Language, Culture and Society
ENG 3385	3	Foundations of Second Language Acquisition
ENG 4466	3	Advanced Grammar II
ENG 4470	3	Practicum and Assessments

THEATRE EDUCATION

NOTE: *Students seeking Alabama teacher certification in theatre should select the* Bachelor of Science in Education - Theatre as a major. *Students should consult with their advisors concerning all certification requirements.*

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area II

THE 1130	3	Introduction to Theatre
ENG 2205	3	World Literature before 1660
ENG 2206	3	World Literature after 1660

Area V Requirements *(For students seeking P-12 Theatre Education degree)*

ART 2208	3	Digital Tools
TROY 1101	1	The University Experience
THE 1115	1-3	Performance and Production Practicum I
THE 1150	1	Creative Habit
THE 1160	1	Audition and Portfolio Techniques
THE 2211	1	Theatre for Youth
THE 2291	3	Dramatic Literature I

Choose an additional eight (8) hours of electives

REQUIRED COURSES - TEACHING FIELD

(For students seeking P-12 Theatre Education degree)

THE 2215	1-3	Performance and Production Practicum II
THE 2216	1-3	Performance and Production Practicum III
THE 2271	2-3	Fundamentals of Scenery and Lighting
THE 2272	2-3	Fundamentals of Costumes and Makeup
THE 3301	3	Acting I
THE 3313	2	Creative Drama
THE 3315	1-3	Performance and Production Practicum IV
THE 3350	2-3	Script Analysis
THE 3365	3	Fundamentals of Design for Theatre
THE 4441	2	Oral Interpretation
THE 4443	3	Theatre History I
THE 4444	3	Theatre History II
THE 4451	3	Directing I
THE 4452	2-3	Directing II
THE 4456	2	Developing an Educational Theatre Program

PROFESSIONAL STUDIES

(For students seeking P-12 Theatre Education degree)

EDU 3310	3	Introduction to Education
EDU 4400	3	Classroom Management
EDU 4471	3	Curriculum and Instructional Delivery
EDU 3305	3	Teaching with Technology
SPE 3340	3	Introduction to Special Education
RED 4401	3	Reading in the Content Areas
THE 4481	3	Methods and Materials for the Theatre Teacher
THE 3346	3	Educational and Psychology Assessment in Fine Arts
THE 4472	9	Internship in Grades P-12
IED 4454	3	Internship Seminar for Interdisciplinary Education

THEATRE MINOR

(18 Hours)

REQUIRED COURSES

THE 1115	1-3	Performance and Production Practicum I
THE 1130	3	Introduction to Theatre
THE 1150	1	Creative Habit
THE 2215	1-3	Performance and Production Practicum II

Choose one of the following:

THE 2271	2-3	Fundamentals of Scenery and Lighting
THE 2272	2-3	Fundamentals of Costumes and Makeup
THE 3300	2-3	Fundamentals of Acting

Select additional THE courses to complete the required 18 hours

WORLD LANGUAGES MINOR

(18 Hours)

Select eighteen hours in modern and/or ancient world language courses.

SORRELL COLLEGE OF BUSINESS

TROY UNIVERSITY SCOB VISION STATEMENT
Leading with heart, humility, and hard work, educate GEEKS prepared to change the world.

MISSION STATEMENT
Our student-centered culture, high-quality teaching, meaningful engagement, and impactful scholarship will improve business and society by preparing a diverse student body to become GEEKS leading happy and rewarding lives.

ACCREDITATION
The Bachelor of Science in Business Administration (B.S.B.A) programs offered in the Sorrell College of Business are accredited by AACSB International- The Association to Advance Collegiate Schools in Business. In addition, the undergraduate accounting program housed in the Carr School of Accountancy carries supplemental AACSB accounting accreditation.

The Bachelor of Science in Sport Management offered in the School of Hospitality, Sport, and Tourism Management is separately accredited by the Commission on Sport Management Accreditation (COSMA).

DEGREE PROGRAMS
The Sorrell College of Business offers two undergraduate degrees, the Bachelor of Science in Business Administration (B.S.B.A.) and the Bachelor of Science (Sport Management and Hospitality, Tourism and Event Management majors).
Within the B.S.B.A., students select a major from degree programs in Business Administration, Accounting, Business Analytics, Economics, Management, or Risk Management and Insurance. Business Administration majors select one of a wide range of concentrations designed to prepare graduates for careers in a variety of business fields: Business Accounting and Finance, Entrepreneurship, General Business, Human Resource Management, Marketing, or specified Interdisciplinary concentrations. Students majoring in Economics select a concentration in either General Economics or Financial Economics.

The B.S.B.A. degree programs are offered through the Carr School of Accountancy and Business Analytics; the Department of Economics, Finance, Risk Management, and Marketing; and the Department of Management and HRM.

The B.S. degree in Sport Management and Hospitality, Tourism and Event Management are offered through the School of Hospitality, Sport and Tourism Management. The mission of the School of Hospitality, Sport, and Tourism Management is to prepare students to become future leaders and scholars in hospitality, sport and tourism management by providing exemplary integrative and experiential academic preparation in a collaborative environment, to conduct seminal and applied research that impacts the hospitality, sport, and tourism industries on a local, national, and global level, and to provide professional and community service.

The total experience within the School of Hospitality, Sport and Tourism Management facilitates students to have an exceptional fundamental education, engagement in service learning experiences, exposure to working professionals, and career preparation through internships. As a result, students are provided a competitive advantage in a job market that is projected to see continual growth.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION, B.S.B.A.

For more information on general requirements for all Troy University baccalaureate degrees, see the index listings for baccalaureate degree parameters, general studies, and academic regulations
.

GENERAL STUDIES PROGRAM: SPECIALIZED REQUIREMENTS

The B.S.B.A. requires the selection of certain courses within the General Studies Program. For all other General Studies requirements, students may select from courses approved within the General Studies Program.

Area III

MTH 1112	3	Pre-Calculus Algebra
OR		
MTH 1125	4	Calculus I

Area IV

ECO 2251	3	Principles of Macroeconomics
ECO 2252	3	Principles of Microeconomics

***Note** that ECO 2251 and ECO 2252 are classified as lower-level business courses - see the GPA and Grade Requirements: Lower-level Business Program for more information.*

GPA AND GRADE REQUIREMENTS: GENERAL STUDIES PROGRAM

Students must complete MTH 1112, ENG 1101, and ENG 1102 (or their equivalents) with a grade of "C" or higher in each course. Students will not be permitted to register for upper-level business courses until this requirement is met.

Students are allowed a maximum of three attempts at completing each of these courses with a grade of "C" or higher.

LOWER-LEVEL BUSINESS PROGRAM

All B.S.B.A. students must complete a 65-hour program consisting of the General Studies Program and the Lower Business Core, including MGT 3300 and MKT 3300 (all courses above 3300 are considered upper-level courses). Students nearing the completion of the initial 65 hours should consult their academic advisors for guidance on the transition to upper-level courses upon meeting the lower-level business program requirements.

Lower-level Business Program (22 Hours)

BUS 1110	1	Orientation to Sorrell College of Business

ACT 2291	3	Principles of Accounting I
BUS 2215	3	Research for Business Professionals
LAW 2221	3	Legal Environment of Business
MGT 3300	3	Principles of Management
MKT 3300	3	Principles of Marketing
QM 2241	3	Business Statistics
RMI 2201	3	Introduction to Risk in Business

GPA and Grade Requirements: Lower-level Business Program
Students must complete this 65-hour program with a 2.0 GPA (2.3 GPA for accounting majors) before they will be permitted to register for upper-level business courses. In addition, students must have a 2.0 average across all of the lower-level business courses in the General Studies Program and Lower Business Core before being permitted to register for upper-level business courses. The lower-level business courses are: BUS 1110, ACT 2291, BUS 2215, ECO 2251, ECO 2252, LAW 2221, MGT 3300, MKT 3300, QM 2241, and RMI 2201.

TRANSITION TO UPPER-LEVEL COURSES

Once the above requirements are met, students will be admitted to the upper level and may begin registering for upper-level business courses. However, in some cases, students in their last semester or term of completing the 65 hour lower-level business program will have too few lower-level courses remaining to maintain full-time student status. In such cases, so long as all other requirements above are met, a student may begin taking upper-level courses approved as "bridge" courses. Note that the 65 hour lower-level business program must be completed in the same term or semester as bridge courses are begun-no lower-level courses may be postponed or substituted for bridge courses. Students in a bridge semester or term must register for all remaining lower-level courses and may then add upper-level bridge courses to complete a usual course load (typically up to 18 credit hours). Students whose schedules necessitate a bridge semester should consult their academic advisors for a current list of approved bridge courses. Students who fail to complete their Lower Business Core and/or General Studies during the bridge semester/term will be restricted to a maximum of 12 hours in subsequent semesters until these requirements are met.

UPPER-LEVEL BUSINESS COURSES AND UPPER BUSINESS CORE

Upon completion of the 65 hour lower-level business program as outlined above, students will be permitted to register for upper-level business courses. The upper-level courses may generally be taken in any sequence unless otherwise specified.

UPPER BUSINESS CORE (15 HOURS)

BUS 3382	3	Business Communication
FIN 3331	3	Managerial Finance
BA 3310	3	Introduction to Information Systems & Data Analytics
QM 3345	3	Operations Management
BUS 4476	3	Strategic Management (Capstone)**

Notes**:** ** *Capstone must take in last semester*

MAJOR AND CONCENTRATION COURSES

Additional upper-level courses are to be selected based on the requirements for a student's selected major and/or concentration. See program requirements for each major/concentration on the following pages.

GPA AND GRADE REQUIREMENTS: UPPER-LEVEL BUSINESS COURSES

B.S.B.A. students must achieve a 2.0 average in the Business Core. The Business Core GPA calculation includes courses in the Lower Business Core, and Upper Business Core. Students must pass the capstone course, BUS 4476, with a grade of "C" or better. In addition, students must achieve a 2.0 average within their business major. **Business students are allowed a maximum of three attempts at completing any business course with passing grade** (A "D" is a passing grade unless otherwise specified). Failure to do so will result in being dropped from that major and/or concentration.

RESIDENCY AND NON-BUSINESS MAJORS

The business administration core and major each require a minimum of 12 hours of Troy University residence credit. Non-Business majors in upper-level Business Courses (above 3300) must be in a declared business minor, in a contract minor, be a bona fide transient student who has completed at least 60 hours, and have a GPA of 2.0 or higher. These students may contact the senior Associate Dean's Office in order to register for business courses above 3300.

TRANSFER STUDENTS AND TRANSFER CREDIT

A minimum of 31 credit hours in business courses within the B.S.B.A. program must be completed at Troy University. Credits transferred for general studies courses taught by the Sorrell College of Business (e.g., ECO 2251 and ECO 2252) do **not** count toward this 31 hour minimum.

Transfer credit for any course in the B.S.B.A. business core or major/concentration will only be approved for courses in which the student earned a grade of "C" or higher.

No transfer credit will be approved for any course in which programmatic assessments are conducted. Credits not transferred for this reason may be considered for Sorrell College elective courses.

Transfer credits for upper-level courses are permitted only from AACSB accredited schools or upon approval of the Dean of the Sorrell College of Business. Credits at the 1000 or 2000 level generally do not transfer for 3000 level courses, with the exception of MGT 3300 and MKT 3300. Credits at the 1000 and 2000 level from AACSB accredited schools may be considered for transfer for upper-level courses on a case-by-case basis. In all cases, the Dean of the College will make the final decision concerning transfer credit allowable within the curricula.

ACCOUNTING MAJOR

(120 Hours)

B.S. in Business Administration degree with a major in Accounting

In addition to the GPA and grade requirements for all B.S.B.A. students, Accounting majors must earn a grade of "C" or better in all accounting courses (prefix ACT). Students are allowed a maximum of three attempts at completing each of these courses with a grade of "C" or higher; if they fail to achieve a "C" or better after three attempts, they will be dropped from the Accounting Program. However, Accounting majors may elect another business major as long as they meet the other requirements for being in the business program.

COMMON COURSES

ACT 3391	3	Intermediate Accounting I
ACT 3392	3	Intermediate Accounting II
ACT 3394	3	Governmental Accounting
ACT 3395	3	Managerial/Cost Accounting I
ACT 3396	3	Accounting Information Systems

ACT 4435	3	Accounting Analytics
ACT 4480	1	Professional Development-Public Accounting
ACT 4491	3	Advanced Accounting
ACT 4494	3	Income Tax Accounting I
ACT 4495	3	Income Tax Accounting II
ACT 4497	3	Auditing
ACT 3315	3	Advanced Applications for Accounting

ELECTIVE ACCOUNTING COURSES (3 HOURS)

Select one upper-level business elective (ACT 4499 Accounting Internship recommended)

BUSINESS ADMINISTRATION MAJOR

(120 Hours)

B.S. in Business Administration degree with a major in Business Administration

MAJOR REQUIREMENTS (18 HOURS)

ECO 4451	3	Economics of Globalization
HRM 3375	3	Global Human Resource Management
MKT 4468	3	Global Marketing
MGT 4478	3	Managing in a Global Environment (Capstone)
MGT 4472	3	Organizational Behavior

Choose any upper-level business elective (3 credit hours)

BUSINESS CONCENTRATIONS

Business Administration Majors must choose from the following concentrations to complete the additional 18 hours:

BUSINESS ACCOUNTING AND FINANCE CONCENTRATION (18 HOURS)

This concentration does not offer sufficient accounting coursework for students to meet the academic requirements for taking the CPA examination in Alabama.

Required Classes (18 Hours)

ACT 3365	3	Corporate Financial Reporting
ACT 3395	3	Managerial/Cost Accounting I
ACT 4496	3	Managerial/Cost Accounting II
FIN 3334	3	Financial Statement Analysis
FIN 4431	3	Intermediate Financial Management
FIN 4432	3	Investments

BUSINESS ANALYTICS CONCENTRATION (18 HOURS)

Required Classes (12 Hours)

BA 3346	3	Database Management Systems I
BA 3350	3	Business Programming
BA 4410	3	Business Data Mining
BA 4415	3	Big Data Analytics and Visualization

Electives (6 Hours)

MKT 4464	3	Marketing Research
MKT 4465	3	Supply Chain Management
BA 4440	3	Business Data Mining II
MGT 4460	3	Introduction to Project Management
FIN 4432	3	Investments

ENTREPRENEURSHIP CONCENTRATION (18 HOURS)

Required Courses (12 Hours)

ENT 3325	3	Principles of Entrepreneurship
ENT 4410	3	Entrepreneurial Influence
ECO 3360	3	Entrepreneurial Economics
ENT 4480	3	Entrepreneurship Seminar

Electives (6 Hours)

Choose 2 courses from the following:

ENT 3330	3	Micro-entrepreneurship and the Gig-Economy
ENT 4490	3	Special Topics in Entrepreneurship
ENT 4493	3	Guided Independent Study
ENT 4499	3	Entrepreneur Internship
ACT 3395	3	Managerial/Cost Accounting I
IS 4460	3	E-Commerce Design
MKT 3362	3	Promotion Management
MKT 3364	3	Product and Service Innovation
MKT 4461	3	Professional Selling
MKT 4465	3	Supply Chain Management
MKT 4472	3	Sales Force Management
MGT 4460	3	Introduction to Project Management

GENERAL BUSINESS CONCENTRATION (18 HOURS)

Select six upper-level business electives (18 hours).

**May select no more than three courses in a discipline.*

MANAGEMENT CONCENTRATION (18 HOURS)

Available in Vietnam Only

Required Classes (12 Hours)

MGT 4440	3	Developing and Leading Effective Teams
MGT 4450	3	Corporate Social Responsibility and Sustainability
MGT 4471	3	Leadership and Change
MGT 4479	3	Management Seminar (Capstone)

Select 6 hours from the following:

Any upper level MGT course

HRM 4481	3	Staffing
HRM 4483	3	Human Resource Development
MKT 4465	3	Supply Chain Management

At most one upper-level business course

MARKETING CONCENTRATION (18 HOURS)

Required Courses (12 Hours)

MKT 3364	3	Product and Service Innovation
MKT 4462	3	Consumer Behavior
MKT 4464	3	Marketing Research
MKT 4469	3	Marketing Management

Electives

Choose any two upper-level Marketing elective courses (6sh)

OR

Choose any one upper-level Marketing elective course (3sh and one upper-level business course (3sh)

RISK MANAGEMENT INSURANCE CONCENTRATION (18 HOURS)

Required Courses (12 Hours)

RMI 3335	3	Principles of Risk Management and Insurance
RMI 3348	3	Property and Casualty Insurance
RMI 4440	3	Corporate Risk Management (capstone)
RMI 4442	3	Insurance Operations

Electives

Select 6 hours of upper-level RMI courses from the following:

RMI 4425	3	Special Topics in Risk Management and Insurance
RMI 4430	3	Surplus Lines Insurance Operations & Products
RMI 4478	3	Employee Benefit Planning
RMI 4498	3	Internship *
RMI 4499	3	London Study Abroad

***Note:** Only one internship course may be used as an RMI Concentration elective.*

INTERDISCIPLINARY BUSINESS
ADMINISTRATION CONCENTRATIONS

Students interested in Environmental Science, Leadership Development, Legal Studies, Music Industry, and World Languages (Spanish) may use the current minors in their respective areas as a concentration under the Business Administration Degree program and be a business major. All rules for business students apply to those students pursuing this option.

ENVIRONMENTAL SCIENCE CONCENTRATION (20 HOURS

Required Courses

BIO 1120	3	Survey of Environmental Sciences
BIO L120	1	Survey of Environmental Sciences Lab
BIO 3328	3	Environmental Pollution and Control
BIO L328	1	Environmental Pollution and Control Lab

Complete 12 hours from the following:

BIO 4420	4	Field Vertebrate Zoology (combined lecture and lab)
BIO 4425	4	Field Botany (combined lecture and lab)
BIO 4476	1-4	Special Topics in Biology (combined lecture and lab)
BIO 4479	3	Environmental Assessment
BIO L479	1	Environmental Assessment Lab
BIO 4491	1-3	Guided Independent Research (combined lecture and lab)
CHM 3350	3	Principles of Physical Chemistry
CHM L350	1	Principles of Physical Chemistry Lab
CHM 3352	3	Biochemistry
CHM L352	1	Biochemistry Lab
CHM 4445	3	Instrumental Analysis
CHM L445	1	Instrumental Analysis Lab

LEADERSHIP DEVELOPMENT CONCENTRATION (18 HOURS)

Required Courses (12 Hours)

LDR 1100	3	Introduction to Leadership
LDR 2200	3	Tools for Leaders
LDR 3300	3	Leadership Theory
LDR 4400	3	Leadership Seminar

Select at least an additional six hours from the following:

AS 3312	3	Leading People and Effective Communication I
AS 3313	3	Leading People and Effective Communication II
COM 3345	3	Group Discussion and Leadership
LDR 2210	3	Leadership and Interpersonal Skills
LDR 2220	3	Contemporary Issues in Leadership
LDR 3320	3	Great Leaders
LDR 444	3-6	Leadership Internship
LDR 4450	1-6	Leadership Service Learning
LDR 4493	1-3	Guided Independent Study
LDR 4494	1-3	Guided Independent Study
MSL 2201	2	Individual Leadership Studies
MSL 2202	2	Leadership and Teamwork
MSL 2204	1	Military Basic Leadership Lab II-A
PHI 2204	3	Ethics and the Modern World
POL 3340	3	U.S. Government - Executive Branch

LEGAL STUDIES CONCENTRATION (18 HOURS)

Required Courses (9 Hours)

LGL 2200	3	Introduction to Legal Studies
LGL 3300	3	Legal Research and Writing
LGL 4400	3	Seminar in Legal Studies

Select 9 hours of electives from the following courses:

CJ 2241	3	Survey of Criminal Law and Constitutional Criminal Procedure
CJ 4411	3	Evidence
CJ 4447	3	Current Issues in Legal Systems Operation and Administration
LAW 2221	3	Legal Environment of Business
LAW 4420	3	Administrative Law
POL 3342	3	U.S. Government - Judicial Branch
POL 4420	3	Constitutional Law
POL 4472	3	Administrative Law

MUSIC INDUSTRY CONCENTRATION (18 HOURS)

Required Courses

Students will successfully complete the following courses before enrolling in any MUI electives:

MUI 2230	3	Survey of Music Industry
MUI 3305	3	Music Technologies

Select 12 hours from the following courses with the approval of the MUI Coordinator:

MUI 1101	1	American Popular Music Ensemble
MUS 1102	3	Music Theory I
MUS 1103	3	Music Theory II
MUS 1107	1	Aural Skills I
MUS 1108	1	Aural Skills II
MUI 3310	3	Audio Principles and Techniques I
MUI 3315	2	Song Writing
MUI 3325	2	Recording Studio I
MUI 3326	2	Recording Studio II
MUI 3340	2	Live Sound Reinforcement
MUI 3345	2	Audio for Producers
MUI 3346	2	Studio Repair & Maintenance
MUI 3360	2	Audio Principles and Techniques II
MUI 4410	2	Arts Management/Concert Production
MUI 4420	2	Film Scoring
MUI 4430	2	Marketing of Recorded Music
MUI 4435	2	Music Merchandising
MUI 4448	2	Audio Mixing and Mastering**)**
MUS 4491- 4494	1-3	Guided Independent Research

SPANISH CONCENTRATION (18 HOURS)

Select 18 hours of Spanish courses.

BUSINESS ANALYTICS MAJOR

(120 Hours)

B.S. in Business Administration with a major in Business Analytics

Core Courses (27 Hours)

ACT 3315	3	Advanced Applications for Accounting
BA 3346	3	Database Management Systems I
BA 3350	3	Business Programming
BA 4410	3	Business Data Mining
BA 4415	3	Big Data Analytics and Visualization
BA 4440	3	Business Data Mining II
BA 4447	3	Systems Analysis and Design
BA 4451	3	Information Security and Assurance Analytics
QM 3342	3	Decision-Making and Data Analytics

Electives (9 Hours) From the following:

ACT 3396	3	Accounting Information Systems
ACT 4435	3	Accounting Analytics
BA 4498	3	Business Analytics Internship

ECO 4457	3	Econometrics
HSTM 4431	3	Analytics in Hospitality, Sport, Tourism and Event Management
MKT 4464	3	Marketing Research
RMI 3335	3	Principles of Risk Management and Insurance

ECONOMICS MAJOR

(120 Hours)

B.S. in Business Administration degree with a major in Economics

CONCENTRATIONS

Economics majors can choose between two concentrations: General Economics and Financial Economics

FINANCIAL ECONOMICS CONCENTRATION (36 HOURS)

Core Economics (6 Hours)

ECO 3351	3	Intermediate Macroeconomics
ECO 3352	3	Intermediate Microeconomics

Required Courses (12 Hours)

ECO 4451	3	Economics of Globalization
FIN 4431	3	Intermediate Financial Management
FIN 4432	3	Investments
FIN 4437	3	Financial Institutions

Electives (18 Hours)

Select six courses from the following:

Any upper-level FIN courses (must take a minimum of three)

ACT 3391	3	Intermediate Accounting I
ACT 4494	3	Income Tax Accounting I
ECO 4453	3	Public Finance
ECO 4457	3	Econometrics
ECO 4460	3	Regional and Urban Economics
ECO 4462	3	Game Theory
ECO 3360	3	Entrepreneurial Economics
ECO 3363	3	Mathematical Economics
ECO 3353	3	Money and Banking
RMI 3335	3	Principles of Risk Management and Insurance

GENERAL ECONOMICS CONCENTRATION (36 HOURS)

Required Economics Courses (15 Hours)

ECO 3351	3	Intermediate Macroeconomics
ECO 3352	3	Intermediate Microeconomics
ECO 4459	3	Economics Seminar

Choose any 2 upper-level (3000 or 4000) Finance courses (6sh)

Economics Electives (21 Hours)

ECO 3353	3	Money and Banking
ECO 3355	3	Labor Economics
ECO 3361	3	Sports Economics
ECO 3362	3	Public Choice
ECO 3363	3	Mathematical Economics
ECO 3365	3	History of Economic Thought
ECO 4434	3	International Economics
ECO 4452	3	Environmental Economics
ECO 4453	3	Public Finance
ECO 4454	3	Economic History: The Rise of the Western World
ECO 4455	3	Comparative Economic Systems
ECO 4456	3	The Economics and Moral Foundations of Capitalism
ECO 4457	3	Econometrics
ECO 4460	3	Regional and Urban Economics
ECO 4461	3	Austrian Economics
ECO 4462	3	Game Theory

MANAGEMENT MAJOR

(120 Hours)

B.S. in Business Administration degree with a major in Management

MAJOR REQUIREMENTS (24 HOURS)

Required Courses (15 Hours)

HRM 3375	3	Global Human Resource Management
MGT 4440	3	Developing and Leading Effective Teams
MGT 4450	3	Corporate Social Responsibility and Sustainability
MGT 4472	3	Organizational Behavior
MGT 4479	3	Management Seminar (Capstone)

Major Electives (9 Hours)

Choose three courses from the following (courses cannot double-count with General Electives or Specialization)

MGT 4499	3	Management Internship *****

Any upper-level BUS, MGT, and HRM courses (3-9sh)

MKT 4465	3	Supply Chain Management
QM 3342	3	Decision-Making and Data Analytics
ENT 3325	3	Principles of Entrepreneurship

No more than one upper-level elective from any business discipline beyond the course options already included (3sh)

Note: **Students are encouraged to pursue an internship to qualify for an internship course. Internship courses require Department Chair approval and satisfy a major elective and/or a general elective or specialization elective, if applicable in the chosen specialization. Students may complete no more than two internship courses.*

Some courses may only be offered online.

MANAGEMENT MAJOR OPTIONS

Students have the following options to complete the Management Major:

OPTION 1: GENERAL ELECTIVES

Students may take 12 hours of upper-level business electives that align with their career interests. *Note: some courses may only be offered online*.

General Electives (12 Hours)

Choose four upper-level business electives*

*****May select no more than two courses from the same discipline*

OPTION 2: SPECIALIZATION

Students will complete a specialization from one of the following: Business Analytics, Entrepreneurship, Hospitality, Tourism, and Event Management; Human Resource Management, Marketing, Promotion, Risk Management and Insurance, Sport Management, and Supply Chain Management. *Note: some courses may only be offered online.*

SELECT ONE SPECIALIZATION:

BUSINESS ANALYTICS SPECIALIZATION (12 HOURS)

Required Courses (9 Hours)

BA 3346	3	Database Management Systems I
BA 4410	3	Business Data Mining
BA 4415	3	Big Data Analytics and Visualization

Elective (3 Hours)
Choose 3 hours from the following:
BA 3350 3 Business Programming
BA 4440 3 Business Data Mining II

ENTREPRENEURSHIP SPECIALIZATION (12 HOURS)
Required Courses (6 Hours)
ENT 3325 3 Principles of Entrepreneurship
MKT 3364 3 Product and Service Innovation
Elective (6 Hours)
Any two upper-level ENT courses or other approved electives

HOSPITALITY, TOURISM, AND EVENT MANAGEMENT SPECIALIZATION (12 HOURS)
Required Courses (3 Hours)
HSTM 2205 3 Introduction to Hospitality, Tourism and Event Management
Electives (9 Hours)
Choose 9 hours from the following:
HSTM 4420 3 Hospitality, Tourism and Event Management Finance
HSTM 4423 3 Current Issues in Hospitality, Tourism and Event Management
HSTM 4425 3 Human Resource Management in Hospitality, Tourism and Events
HSTM 4428 3 Legal Aspects in Hospitality, Tourism and Event Management
HSTM 4462 3 Hospitality, Tourism, and Event Marketing

HUMAN RESOURCE MANAGEMENT SPECIALIZATION (12 HOURS)
Required Courses (9 Hours)
HRM 4455 3 Employment Law
HRM 4481 3 Staffing
HRM 4483 3 Human Resource Development
Elective (3 Hours)
Any upper-level HRM course*

MARKETING SPECIALIZATION (12 HOURS)
Required Courses (9 Hours)
MKT 3364 3 Product and Service Innovation
MKT 4462 3 Consumer Behavior
MKT 4464 3 Marketing Research
Elective (3 Hours)
Any upper-level MKT course

PROMOTION SPECIALIZATION (12 HOURS)
Required Courses (9 Hours)
MKT 3362 3 Promotion Management
MKT 3367 3 Digital Marketing
MKT 4461 3 Professional Selling
Elective (3 Hours)
Any upper-level MKT course

RISK MANAGEMENT AND INSURANCE SPECIALIZATION (12 HOURS)
Required Courses
RMI 3335 3 Principles of Risk Management and Insurance
RMI 3348 3 Property and Casualty Insurance
RMI 4440 3 Corporate Risk Management (capstone)
RMI 4442 3 Insurance Operations

SPORT MANAGEMENT SPECIALIZATION (12 HOURS)
Required Courses (3 Hours)
HSTM 2255 3 Introduction to Sport Management
Electives (9 Hours)
Choose 9 hours from the following:
HSTM 3335 3 Facility Management
HSTM 3353 3 Legal Aspects in Sport Management
HSTM 4430 3 Sport Marketing
HSTM 4431 3 Analytics in Hospitality, Sport, Tourism and Event Management
HSTM 4435 3 Current Issues in Sport Management
HSTM 4440 3 Governance and Policy in Sport
HSTM 4451 3 Sport Economics and Finance

SUPPLY CHAIN MANAGEMENT SPECIALIZATION (12 HOURS)
Required Courses (9 Hours)
MKT 4465 3 Supply Chain Management
MGT 4430 3 Purchasing Management
QM 3342 3 Decision-Making and Data Analytics
Elective (3 Hours)
Choose one from the following:
ACT 3395 3 Managerial/Cost Accounting I
MGT 4460 3 Introduction to Project Management

RISK MANAGEMENT AND INSURANCE MAJOR

(120 Hours)

B.S. in Business Administration degree with a major in Risk Management and Insurance

Required Courses (24 Hours)
RMI 3335 3 Principles of Risk Management and Insurance
RMI 3348 3 Property and Casualty Insurance
RMI 4430 3 Surplus Lines Insurance Operations & Products
RMI 4440 3 Corporate Risk Management *(capstone)*
RMI 4442 3 Insurance Operations
RMI 4498 3 Internship
Any two (2) upper-level RMI Courses (6 hours)
Electives (12 Hours)
Any upper-level RMI course (3-12 hours)
FIN 3334 3 Financial Statement
FIN 4431 3 Intermediate Financial Management
FIN 4432 3 Investments
MKT 4461 3 Professional Selling
ECO 3353 3 Money and Banking
ECO 4457 3 Econometrics
BA 4410 3 Business Data Mining

ECONOMICS MINOR

(18 Hours)

Required Courses (9 Hours)
ECO 2251 3 Principles of Macroeconomics
ECO 2252 3 Principles of Microeconomics
ECO 3351 3 Intermediate Macroeconomics **OR** ECO 3352 Intermediate Microeconomics

***Electives* (9 Hours)**

Select three from the following list

ECO 3351	3	Intermediate Macroeconomics *(cannot count as both required and elective)*
ECO 3352	3	Intermediate Microeconomics *(cannot count as both required and elective)*
ECO 3353	3	Money and Banking
ECO 3355	3	Labor Economics
ECO 4451	3	Economics of Globalization
ECO 4452	3	Environmental Economics
ECO 4453	3	Public Finance
ECO 4454	3	Economic History: The Rise of the Western World
ECO 4455	3	Comparative Economic Systems
ECO 4457	3	Econometrics
ECO 4458	3	Law & Economics
ECO 4459	3	Economics Seminar

ENTREPRENEURSHIP MINOR

(18 Hours)

Required Courses (12 Hours)

ENT 3325	3	Principles of Entrepreneurship
MKT 3300	3	Principles of Marketing
ECO 3360	3	Entrepreneurial Economics
MKT 3364	3	Product and Service Innovation

Electives (6 Hours)

Choose 2 courses from the following:

ENT 2200	3	Innovation and Creative Thinking
ENT 3330	3	Micro-entrepreneurship and the Gig-Economy
ENT 4490	3	Special Topics in Entrepreneurship
ENT 4499	3	Entrepreneur Internship
MGT 3300	3	Principles of Management
MKT 3362	3	Promotion Management
MKT 4465	3	Supply Chain Management

GLOBAL GENERAL BUSINESS MINOR

(18 Hours)

Required Courses (12 Hours)

ACT 2291	3	Principles of Accounting I
ECO 2252	3	Principles of Microeconomics
MGT 3300	3	Principles of Management
MKT 3300	3	Principles of Marketing

Select one for the Global Business Requirement (3 Hours)

ECO 4451	3	Economics of Globalization
BA 3310	3	Introduction to Information Systems & Data Analytics
HRM 3375	3	Global Human Resource Management
MGT 4471	3	Leadership and Change
MKT 4468	3	Global Marketing

Select one additional 3000-4000 level business course (3 Hours)

***All prerequisites must be met.**

HUMAN RESOURCE MANAGEMENT MINOR

(18 Hours)

Required Courses (15 Hours)

MGT 3300	3	Principles of Management
HRM 4455	3	Employment Law
HRM 3375	3	Global Human Resource Management
HRM 4481	3	Staffing
HRM 4483	3	Human Resource Development

Elective

Select one of the following:

HRM 4482	3	Managing Health, Safety and Diversity
HRM 4485	3	Performance Appraisal and Compensation
MGT 4472	3	Organizational Behavior

***Note:** *Some Classes will be offered online.*

MANAGEMENT MINOR

(18 Hours)

Required Courses (12 Hours)

MGT 3300	3	Principles of Management
MGT 4440	3	Developing and Leading Effective Teams
MGT 4450	3	Corporate Social Responsibility and Sustainability
MGT 4472	3	Organizational Behavior

Electives (6 Hours)

Choose any two upper-level BUS, MGT, and HRM elective courses (6 Credit Hours)

OR

Choose any upper-level BUS, MGT, and HRM elective course (3 Credit Hours) **AND** one upper-level business elective course (3 Credit Hours)

MARKETING MINOR

(18 Hours)

Required Courses

BUS 1101	3	Introduction to Business
MKT 3300	3	Principles of Marketing
MKT 3362	3	Promotion Management

Select 9 additional hours in MKT courses

HOSPITALITY, TOURISM AND EVENT MANAGEMENT MAJOR

(120 Hours)

Hospitality, Tourism and Event Management majors must earn a grade of C or better in all major courses for credit toward graduation. If a student earns a D or F in any major course, he/she must repeat that course.

Faculty within the School of Hospitality, Sport and Tourism Management believe the practical experience gained through an internship is essential to the student's education and professional growth. Therefore, all undergraduate students seeking a Bachelor of Science in Hospitality, Tourism and Event Management are required to complete an internship.

All students earning a Bachelor of Science in Hospitality, Tourism and Event Management are required to select one 18-hour minor.

This minor may be housed in the School of Hospitality, Sport and Tourism Management which includes Beverage Management, ESPORT Management, Event Management, Hospitality Management, Sport Management, Tourism Management, or a minor outside the School.

Area III Requirements

Choose one of the following:

MTH 1110	3	Finite Mathematics
STAT 2210	3	Introductory Statistics
MTH 1112	3	Pre-Calculus Algebra **or** placement

Area V Requirements

LDR 1100	3	Introduction to Leadership
TROY 1101	1	The University Experience

Select one <u>three hour</u> adviser-approved elective course

Required Courses (39 Hours)

HSTM 2205	3	Introduction to Hospitality, Tourism and Event Management
HSTM 3350	3	Leadership Principles in Hospitality, Tourism and Event Management
HSTM 3365	3	Research for Business Professionals **OR** BUS 2215 Research for Business Professionals
HSTM 4420	3	Hospitality, Tourism and Event Management Finance
HSTM 4423	3	Current Issues in Hospitality, Tourism and Event Management
HSTM 4425	3	Human Resource Management in Hospitality, Tourism and Events
HSTM 4428	3	Legal Aspects in Hospitality, Tourism and Event Management
HSTM 4450	3	Event Management in Hospitality, Sport and Tourism Management
HSTM 4462	3	Hospitality, Tourism, and Event Marketing
HSTM 4470	3	Revenue Generation in Hospitality, Sport, Tourism and Event Management **OR** HSTM 4000 level Elective (3)
HSTM 4490	6	Internship in Area of Concentration
HSTM 4499	3	Senior Seminar

Select 5 courses (15 hours) of Hospitality, Tourism and/or Event Electives:

**9 of the 15 hours must be completed at the 3000-level or higher*

HSTM 2201	3	HSTM Industry Fundamentals
HSTM 2210	3	Event Management
HSTM 2220	3	Tourism Management
HSTM 2230	3	Hospitality Management
HSTM 2257	1-3	Global Hospitality, Sport, Tourism and Event Management
HSTM 3325	3	Experience and Design Management
HSTM 3330	3	Festivals and Event Tourism
HSTM 3374	3	Resort and Hotel Management
HSTM 4414	3	Sustainability in Hospitality, Tourism and Event Management
HSTM 4419	3	Community-Based Tourism
HSTM 4431	3	Analytics in Hospitality, Sport, Tourism and Event Management
HSTM 4452	3	Communication in Hospitality, Sport, Tourism and Event Management
HSTM 4465	3	Service in Hospitality, Tourism and Event Industries
HSTM 4466	3	Food and Beverage Management
HSTM 4480	3	Event Planning and Operation
HSTM 4485	3	Practicum I **OR** HSTM 4486 Practicum II

SPORT MANAGEMENT MAJOR

(120 Hours)

A major portion of the student's first and second year studies is a common curriculum called the General Studies Program. General studies ourses may not be used in meeting requirements from both the General Studies Program and the requirements for a major or minor. Students must complete a six hour sequence in Literature or history.

Sport Management majors must earn a grade of C or better in all major courses for credit toward graduation. If a student earns a D or F in any major course, he/she must repeat that course. Faculty within the School of Hospitality, Sport and Tourism Management believe the practical experience gained through an internship is essential to the student's education and professional growth. Therefore, all undergraduate students seeking a Bachelor of Science in Sport Management are required to complete an internship.

All students earning a Bachelor of Science in Sport Management are required to select one 18-hour minor. This minor may be housed in the School of Hospitality, Sport and Tourism Management which includes Beverage Management, ESPORT Management, Event Management, Hospitality Management, Sport Management, Tourism Management, or a minor outside the School.

Area I Requirements

A minimum grade of C is required in ENG 1101 and 1102 or their equivalents.

ENG 1101	3	Composition and Modern English I
ENG 1102	3	Composition and Modern English II

Area II Requirements

(See Area I regarding the sequence requirement)

- 1000-2000 level course within Literature **(**3 Hours)
- 1000-2000 level course with an expanded historical and cultural scope in the Fine Arts, including the disciplines of Art, Music, Theatre, Film, or other Fine Arts area **(**3 Hours)
- Any 1000-2000 level courses with an expanded historical and cultural scope in the Humanities/Fine Arts disciplines, including English, World Languages, Religion, Philosophy, Classics, Theatre, Music, Dance, Communications, Sign Language, Interdisciplinary Studies, or other Humanities/Fine Arts areas **(**6 Hours)

Area III Requirements

Mathematics Requirement*

Select one of the following:

MTH 1110	3	Finite Mathematics
STAT 2210	3	Introductory Statistics
MTH 1112	3	Pre-Calculus Algebra or placement

**A minimum grade of C is required in Mathematics*

Science Requirement

- Any 1000-2000 level science classes (class and lab both required) from the following Science disciplines: Biology, Chemistry, Physics, Physical Science or other Science areas (8 Credit Hours)

Area IV Requirements

(See above regarding the sequence requirement)

- Any 1000-2000 level course with a principle focus on History (3 Hours)
- Any 1000-2000 level course from the following Social Science disciplines: Anthropology, Business, Criminal Justice, Economics, Geography, History, Human Services, Leadership, Interdisciplinary Studies, Nursing, Political Science, Psychology, Religion, Social Work, Sociology, or other Social Science areas (9 Hours)

Area V Requirements

LDR 1100	3	Introduction to Leadership
TROY 1101	1	The University Experience

Select one three hour adviser-approved elective course

Required Courses (36 Hours)

HSTM 2255	3	Introduction to Sport Management
HSTM 3335	3	Facility Management
HSTM 3353	3	Legal Aspects in Sport Management
HSTM 3365	3	Research for Business Professionals **OR** BUS 2215 Research for Business Professionals
HSTM 4430	3	Sport Marketing
HSTM 4431	3	Analytics in Hospitality, Sport, Tourism and Event Management
HSTM 4440	3	Governance and Policy in Sport
HSTM 4450	3	Event Management in Hospitality, Sport and Tourism Management
HSTM 4451	3	Sport Economics and Finance
HSTM 4490	6	Internship in Area of Concentration
HSTM 4499	3	Senior Seminar

Select 6 courses (18 hours) of Sport Management Electives:

**12 of 18 hours must be completed at the 3000-level or higher*

HSTM 2201	3	HSTM Industry Fundamentals
HSTM 2257	1-3	Global Hospitality, Sport, Tourism and Event Management
HSTM 3350	3	Leadership Principles in Hospitality, Tourism and Event Management
HSTM 4435	3	Current Issues in Sport Management
HSTM 4443	3	Case Studies in Sport Management
HSTM 4452	3	Communication in Hospitality, Sport, Tourism and Event Management
HSTM 4470	3	Revenue Generation in Hospitality, Sport, Tourism and Event Management
HSTM 4485	3	Practicum I **OR** HSTM 4486 Practicum II

BEVERAGE MANAGEMENT MINOR

(18 Hours)

**Individuals must be a t least 21 years of age to pour/dispense or consume alcoholic beverages in the state of Alabama. The courses noted with prerequisites of age would expose students to tastings and the creation of alcoholic beverages requiring them to be of legal age.*

Required Courses

HSTM 2205	3	Introduction to Hospitality, Tourism and Event Management **OR** HSTM Elective
HSTM 3334	3	Beverage Operations
HSTM 3336	3	Beverage Management
HSTM 4423	3	Current Issues in Hospitality, Tourism and Event Management
HSTM 4428	3	Legal Aspects in Hospitality, Tourism and Event Management
HSTM 4467	3	Beverage Appreciation **OR** HSTM 4469 Beverage Appreciation and Evaluation

ESPORT MANAGEMENT MINOR

(18 Hours)

Required Courses

HSTM 2245	3	Introduction to ESPORTS
HSTM 3356	3	Business Foundations of ESPORTS Management
HSTM 3357	3	Case Studies in ESPORTS
HSTM 3358	3	ESPORTS Performance
HSTM 3359	3	Shoutcasting
HSTM 4485	3	Practicum I **OR** HSTM 4486 Practicum II

EVENT MANAGEMENT MINOR

(18 Hours)

Required Courses

HSTM 2210	3	Event Management
HSTM 3330	3	Festivals and Event Tourism
HSTM 4452	3	Communication in Hospitality, Sport, Tourism and Event Management
HSTM 4480	3	Event Planning and Operation **3**
HSTM 4485	3	Practicum I **OR** HSTM 4486 Practicum II

Select one three hour HSTM elective course

HOSPITALITY MANAGEMENT MINOR

(18 Hours)

Required Courses

HSTM 2230	3	Hospitality Management
HSTM 3374	3	Resort and Hotel Management
HSTM 4465	3	Service in Hospitality, Tourism and Event Industries
HSTM 4466	3	Food and Beverage Management
HSTM 4485	3	Practicum I **OR** HSTM 4486 Practicum II

Select one three hour HSTM elective course

SPORT MANAGEMENT MINOR

(18 Hours)

Required Courses

HSTM 2255	3	Introduction to Sport Management

Select five courses (15 hours) from the following:

HSTM 3335	3	Facility Management
HSTM 3350	3	Leadership Principles in Hospitality, Tourism and Event Management
HSTM 3353	3	Legal Aspects in Sport Management
HSTM 3365	3	Research for Business Professionals
HSTM 4430	3	Sport Marketing
HSTM 4431	3	Analytics in Hospitality, Sport, Tourism and Event Management
HSTM 4435	3	Current Issues in Sport Management
HSTM 4440	3	Governance and Policy in Sport
HSTM 4451	3	Sport Economics and Finance*
HSTM 4452	3	Communication in Hospitality, Sport, Tourism and Event Management
HSTM 4470	3	Revenue Generation in Hospitality, Sport, Tourism and Event Management

Notes: **Must pass HSTM 4451 with a "C" as a prerequisite to taking HSTM 4470.*

Students must earn a grade of "C" or higher in all courses counting towards their Sport Management Minor.

TOURISM MANAGEMENT MINOR

(18 Hours)

Required Courses

HSTM 2220	3	Tourism Management
HSTM 3325	3	Experience and Design Management
HSTM 3330	3	Festivals and Event Tourism

HSTM 4419 3 Community-Based Tourism
HSTM 4485 3 Practicum I **OR** HSTM 4486 Practicum II
Select one three hour HSTM elective course

THE SORRELL GLOBAL SCHOLARS PROGRAM (TROY CAMPUS)

The Sorrell College of Business (SCOB) Global Scholars program is open to all Business Administration and Hospitality, Tourism, and Event majors at the Troy Campus. There are two degree paths provided for 1) Global Scholars in Business Administration and 2) Global Scholars in Hospitality, Tourism and Event Management. Minimum acceptance into the program is a 26 on the ACT (or equivalent) or 3.5 or higher high school GPA. Students must maintain a 3.25 overall GPA and in their business courses to graduate as a SCOB Global Scholar. The Cohort will be limited to 25 students. Application will be made to the Sorrell College of Business.

The purpose of the SCOB Global Scholars Program is to offer superior students a challenging and rewarding experience that will prepare them for rewarding careers in global business. This programs promotes critical thinking, global business awareness, intellectual development, leadership, supervisory skills, social responsibility, and business engagement.

BUSINESS ADMINISTRATION/GLOBAL SCHOLARS GENERAL STUDIES COURSES

SCOB Global Scholars are also required to take the following general studies courses:

BUS 1121 3 Honors the Global Challenge
ECO 2253 3 Honors Principles of Macroeconomics
ECO 2254 3 Honors Principles of Microeconomics
3 Hours of World Language offered by the Department of World Languages and Cultures in a language other than the student's native language

Business Administration/Global Scholars Business Courses

In addition to the normal Business Administration Degree requirements, Global Scholars will take the following business courses specifically designed to challenge and broaden the student's global awareness and global technical expertise. Total degree requirements remain 120 hours.

Lower Core

MKT 3301 3 Honors Principles of Marketing
MGT 3301 3 Honors Principles of Management
BA 3311 3 Honors Introduction to Information Systems and Data Analytics

Business Administration Major

ECO 4463 3 Honors Economics of Globalization
MKT 4470 3 Honors Global Marketing
MGT 4487 3 Honors Managing in a Global Environment
BUS 4499 3 General Business Internship *

Note: **A semester of Study Abroad will be required along with the International Internship in the Spring of the Junior year or in the Fall of the Senior year.*

ACCOUNTING MAJOR

ACT 3390 3 Honors Intermediate Accounting II
ACT 3398 3 Honors Managerial/Cost Accounting I
ACT 4489 3 Honors Auditing
ACT 4499 1-3 Accounting Internship
(Accounting Majors must take 3 credit hours)

ECONOMICS MAJOR

ECO 3350 3 Honors Intermediate Macroeconomics
ECO 3354 3 Honors Intermediate Microeconomics
ECO 4450 3 Honors Economics Seminar **OR** ECO 4463 Honors Economics of Globalization
ECO 4499 3 Internship **OR** FIN 4499 Internship

BUSINESS ANALYTICS MAJOR

IS 3347 3 Honors Database Management Systems
BA 3351 3 Honors Business Programming
BA 4446 3 Honors Systems Analysis and Design
BA 4498 3 Business Analytics Internship

Note: *Students completing these requirements will receive a special endorsement on their diplomas designating them as Sorrell College of Business Global Scholars and receive special regalia to be worn at graduation.*

HOSPITALITY/TOURISM/EVENT/GLOBAL SCHOLARS GENERAL STUDIES COURSES

SCOB Global Scholars are also required to take the following general studies courses:

BUS 1121 3 Honors the Global Challenge
HSTM 2202 3 Cultural Exposure Experience
6 Hours of World Language offered by the Department of World Languages and Cultures in a language other than the student's native language

Hospitality/Tourism/Event/Global Scholars H/T/E Courses

In addition to the normal Hospitality, Sport and Tourism Management Degree requirements (36 Hours), Global Scholars will take the following HTE courses specifically designed to challenge and broaden the student's global awareness and global technical expertise. These 6 courses (18 hours) will complete the "elective" requirements for the HTE Degree. Total degree requirements remain 120 hours.

HSTM 2257 1-3 Global Hospitality, Sport, Tourism and Event Management
Select 5 courses (15 hours) of study abroad exchange courses, to be approved by the advisor prior to enrolling in the exchange program

Note: *The 6 hour Internship requirement must be completed abroad and occur in the junior or senior year.*

COLLEGE OF EDUCATION AND BEHAVIORAL SCIENCES

The mission of Troy University's College of Education and Behavioral Sciences is to prepare outstanding educators, who are equipped and prepared with the knowledge, pedagogical skills and professional dispositions required to improve the learning opportunities of those they teach. We also train and provide clinical specialization for counselors, ASL interpreters, rehabilitation professionals, and others seeking academic degrees housed within the College of Education and Behavioral Sciences. Successful program completers are to be informed, innovative, reflective, globally minded and effective practitioners and professionals who stand apart from others in the professional job market due to the excellence and specialized accreditations held by many programs.

All certification programs are approved by the Alabama State Board of Education. Our professional educator programs are nationally accredited by the Council for the Accreditation of Educator Preparation (CAEP), CAEP is recognized by the U.S. Department of Education and the Council for Higher Education Accreditation to accredit programs for the preparation of teachers and other school professionals.

The College of Education and Behavioral Sciences is committed to preparing professionals who will be prepared to meet the needs of the next decade. As part of ongoing planning and evaluation, the College of Education and Behavioral Sciences regularly evaluates student learning outcomes for each degree program.

UNDERGRADUATE EDUCATION PROGRAM AVAILABILITY

	Dothan	Montgomery	Troy	TROY Online
Non-certification Programs				
Occupational Education Program (BSOE)			X	X
Interpreter Training				
• Major (36 hours)			X	X
• Minor (18 hours)			X	X
Psychology				
• Major (36 hours)			X	X
• Minor (18 hours)			X	X
Rehabilitation and Disability Studies				
• Major (45 hours)			X	
• Minor (18 hours)			X	
Certification Programs				
Early Childhood Education (P-3) (121 hours)	X		X	
Elementary Education (Grades K-6) (121 hours)	X		X	
Collaborative / Special Education Teacher (Grades K-6) (121 hours)	X		X	
Collaborative / Special Education Teacher (Grades 6-12) (121 hours)	X		X	
Secondary Education (Grades 6-12)				
• Biology (141 hours)			X	
• Chemistry (130 hours)			X	
• History (126 hours)	X		X	
• English/Language Arts (126 hours)	X		X	
• Comprehensive General Science (124 hours)			X	
• Mathematics (123 hours)			X	
• Social Science (126 hours)	X		X	
Interdisciplinary Education (Grades P-12)				
• Visual Arts (135 hours)			X	
• Music, Instrumental (127 hours)			X	

UNDERGRADUATE EDUCATION PROGRAM AVAILABILITY

• Music, Choral (127 hours)			X	
• Physical Education (124 hours)			X	
• Theatre (132 hours)			X	
Behavioral Sciences Programs				
Anthropology				
• Major				
• Minor (18 hours)				
Criminal Justice Major				
• Major				
• Minor (18 hours)				
Political Science Major				
• Major				
• Minor (18 hours)				
Social Science Major				
• Major				
• Minor (18 hours)				
Sociology Major				
• Major				
• Minor (18 hours)				
Resource & Tech. Mgt., BAS				

CERTIFICATION PROGRAMS

TEACHER CERTIFICATION

Please see the list of certification programs offered at Troy University at the beginning of the College of Education and Behavioral Sciences section. All teacher education certification programs are approved by the Alabama State Department of Education. Students seeking teacher certification should refer to the specific program sections in the catalog for eligibility and program completion requirements. This information can be found on the COEBS website. Only those students who are properly admitted to an approved teacher certification program and complete all current requirements will be allowed to graduate.

CERTIFICATION IN ALABAMA

Candidates completing an approved teacher certification program are eligible to apply for the Alabama Class B initial professional certificate, provided they meet all of the following:

- A minimum grade point average of 2.75 on all undergraduate coursework, a 2.75 in the professional studies coursework, and 2.75 in the teaching field(s) coursework.
- A grade of C or better in all coursework in professional and teaching field which applies to certification; and
- Effective September 1, 2018, all teacher candidates seeking initial licensure in the state of Alabama must achieve a passing score, set by the Alabama State Department of Education, on the Teacher Performance Assessment, edTPA.

Any candidate who applies for a professional certificate is subject to all regulations set forth by the Alabama State Department of Education, including a comprehensive background check that shall be completed and cleared prior to observations in P-12 settings. Additional requirements (e.g., standardized examinations to demonstrate content mastery) may be added as the Alabama State Board of Education and other accrediting agencies modify regulations. Implementation of additional requirements may be mandated by the Alabama State Department of Education and could supersede a student's stated program requirements. Candidates should consult their education advisor for details.

Only candidates properly admitted to an approved certification program and who successfully fulfill all program and certification requirements will be recommended for certification. The Certification Officer, appointed by the Dean of the College of Education and Behavioral Sciences, is the only Troy University official authorized to recommend candidates for certification in any state.

FINGERPRINTING REQUIREMENT

Effective no later than the beginning of Fall 2008 semester, any candidate applying for admission to a state-approved program shall be required to be fingerprinted for a criminal history background check through the Alabama State Department of Education to the Alabama Bureau of Investigation (ABI) and the Federal Bureau of Investigation (FBI) pursuant to Act 2002-457. Fingerprinting must be completed and cleared prior to conduction of observations in P-12 schools.

CERTIFICATION IN OTHER STATES

Other states may grant professional certification to candidates completing the Troy University teacher education program. Some states may have additional requirements. Candidates seeking certification in other states should contact the appropriate State Department of Education.

Only candidates properly admitted to an approved certification program and who successfully fulfill all program and certification requirements will be recommended for certification. The Certification Officer, appointed by the Dean of the College of Education and Behavioral Sciences, is the only Troy University official authorized to recommend candidates for certification in any state.

STATEMENT OF GUARANTEE FOR NEW EDUCATORS

Candidates who are recommended by Troy University for Alabama state teacher certification shall be granted remediation at no cost if:

1. they are employed in their areas of specialization of the awarded certificate;
2. they receive less than satisfactory performance on the state approved evaluation instrument;
3. remediation is requested within two years of the valid date of the Professional Educator certificate, which was issued based on recommendation by the unit.

In no case shall the unit be required to provide remediation for more than the first two years of employment.

EXIT EXAMINATIONS

Students are required to successfully complete the required PRAXIS II tests associated with their major and successfully complete internship. Effective August 2018 students seeking certification in Alabama will be required to pass the state adopted performance assessment, edTPA. Contact your content major advisor for details.

CERTIFICATION ONLY

Candidates who currently hold valid Alabama professional teacher certification may complete program requirements for recommendation of additional teaching fields. Transcripts and professional experience will be reviewed prior to beginning any coursework to determine eligibility. Candidates must successfully complete all aspects of each program in which certification is sought. Including course requirements, appropriate nationally normed tests, and internship.

TRANSFER CREDIT ALLOWANCES

At least 25% of the credit hours required for the degree must be earned in residence with Troy University. Transfer credit for professional education courses and teaching area courses which give consideration to pedagogical application is allowable only for courses taken at a regionally accredited institution in a state-approved teacher education/certification program. Other transfer credit is subject to approval.

GENERAL STUDIES REQUIREMENTS

General studies courses cannot be used to meet requirements for both a major field and general studies. Some education majors have special general studies requirements. Consult your education advisor and the General Studies section of this catalog for details. Required major field courses are listed under the appropriate departmental listing in this catalog.

ADMISSION TO THE TEACHER EDUCATION PROGRAM (TEP)

Admission to Troy University does not qualify a student for admission to the Teacher Education Program. Candidates may only enroll in EDU 3310, EDU 3305 (or check-sheet approved discipline-specific technology course), EDU 4400 (or check-sheet approved discipline-specific classroom management course), SPE 3340 (or check-sheet approved discipline-specific exceptional learners course), and EDU 3303 (or check-sheet approved discipline-specific education psychology/assessment course) prior to meeting all criteria for admission to the Teacher Education Program. Candidates must meet with their teaching field advisor for any restrictions regarding enrollment in teaching field courses prior to admission to TEP. Written application to the Teacher Education Program is required. Additional requirements include the following:

1. Completion of 48 semester hours or 80% of required General Studies courses including a grade of C or better in the two English composition courses and a grade of C or better in the required general studies mathematics course(s) for the teacher education major.
2. Early Childhood, Elementary, Collaborative Teacher K-6, and Collaborative Teacher 6-12 candidates must complete both MTH 1110 and MTH 1112 with a grade of C or better to satisfy the math requirement for admission to TEP.
3. A minimum grade point average of 2.75 overall, 2.75 in professional studies, and 2.75 in teaching field(s) is required. Students who fail to meet the required GPA may repeat courses. The university academic policy will be applied in calculating grade point averages. Each cohort admitted to TEP must have an average cumulative GPA of 3.0.
    - Cohorts admitted to TEP must have an average GPA of 3.0. Meeting minimum GPA requirements does not guarantee TEP admission.
4. Successful completion of an interview.
5. Completion of a minimum of 12 clock hours of classroom observation/participation.
6. Evidence of successful background and fingerprint clearance.
7. Evidence of current professional liability insurance at one million dollars of coverage.

THE PROFESSIONAL INTERNSHIP PROGRAM

The Professional Internship Program is the culminating clinical field-based experience for candidates seeking certification in a teaching field. The Professional Internship Program provides the candidate with the opportunity to conduct classes and assume the role of teacher while receiving supervision from a classroom teacher and a university supervisor. Candidates must attend a pre-internship meeting one year prior to the semester of projected internship. Instructions regarding qualifications and applications should be obtained from the Certification and Field Experience Office and submitted two semesters prior to the semester that the candidate plans to intern.

All candidates completing an initial certification program for teachers must complete a nine-semester-hour internship in the grade level(s) and academic subject(s) of the certification sought. This is a full-time assignment for a full semester (approximately 600 clock hours) with placement in a regionally accredited school. Interns must enroll in the appropriate three-semester hour internship seminar course during the internship semester.

Prerequisites for internship include the following:

1. Admission to the Teacher Education Program (TEP).
2. A GPA of 2.75 overall on all coursework attempted.
3. A GPA of 2.75 in all professional studies coursework attempted.
4. A GPA of 2.75 in all teaching field coursework attempted.
5. Satisfactory disposition reviews.
6. Completion of all coursework except for Internship Seminar, which is taken in conjunction with internship.
7. Completion of all professional studies and teaching field courses with a grade of C or better.
8. Evidence of current First Aid and CPR certifications.
9. Students are required to successfully complete the required PRAXIS II Subject Assessments (content areas) associated with their major.
10. Evidence of current professional liability insurance.
11. Completion of any additional requirements mandated by the Alabama State Department of Education.

Undergraduate internship experiences must occur in the appropriate grade level(s) and subject(s) and are supervised by an approved certified classroom teacher. P-12 faculty shall provide regular and continuing support for interns through such processes as observation, conferencing, group discussion, email and the use of other technologies.

EARLY CHILDHOOD EDUCATION (P-3)

(121 Hours)

SPECIALIZED GENERAL STUDIES REQUIREMENTS:
See the General Studies section of this catalog for additional information.

Early Childhood education majors must complete a minimum of 12 semester hours in each of the following disciplines as part of General Studies: Mathematics, Social Science, Science, and English.

General Studies (55 hours)
***Area** V Requirements*

MTH 1112	3	Pre-Calculus Algebra
MTH 2251	3	Mathematical Concepts for K-6 Teachers I
MTH 2252	3	Mathematical Concepts for K-6 Teachers II
SCI 2234	3	Earth and Space Science
SCI L234	1	Earth and Space Science Lab
TROY 1101	1	The University Experience

EDUCATION MAJOR PROFESSIONAL STUDIES (18 HOURS)

	3	Educational Ps ychology and Classroom Assessment
EDU 3305	3	Teaching with Technology
EDU 3310	3	Introduction to Education
EDU 4400	3	Classroom Management
EDU 4471	3	Curriculum and Instructional Delivery
SPE 3340	3	Introduction to Special Education

INTERNSHIP (12 HOURS)

ECE 4454	3	Internship Seminar for Early Childhood Education
ECE 4474	9	Internship in Early Childhood Education

TEACHING FIELD (36 HOURS)

ECE 3315	3	Assessment in ECE
ECE 3325	3	Child Growth & Development (Birth to 8 years)
ECE 4401	3	Integrated Program
EDU 4478	3	Practicum II
ELE 3361	3	Teaching Natural Science
ELE 3362	3	Teaching Mathematics
RED 3310	3	Literacy Foundations I
RED 3320	3	Literacy Foundations II
RED 3380	3	Children's Literature
RED 4483	3	Reading Intervention Strategies
RED 4465	3	Practicum I
SPE 4407	3	Differentiation and Collaboration

ELEMENTARY EDUCATION (K-6)

(121 Hours)

Specialized General Studies Requirements
See the General Studies section of this catalog for additional information.

Elementary education majors must complete a minimum of 12 semester hours in each of the following disciplines as part of General Studies: Mathematics, Social Science, Science, and English.

General Studies (55 Hours)
Area V Requirements (14 Hours)

MTH 1112	3	Pre-Calculus Algebra
MTH 2251	3	Mathematical Concepts for K-6 Teachers I
MTH 2252	3	Mathematical Concepts for K-6 Teachers II
SCI 2234	3	Earth and Space Science**)**
SCI L234	1	Earth and Space Science Lab
TROY 1101	1	The University Experience

EDUCATION MAJOR - (PROFESSIONAL STUDIES 18 HOURS)

EDU 3303	3	Educational Psychology and Classroom Assessment
EDU 3305	3	Teaching with Technology
EDU 3310	3	Introduction to Education
EDU 4400	3	Classroom Management
SPE 3340	3	Introduction to Special Education

INTERNSHIP (12 HOURS)

ELE 4474	9	Internship in Elementary Education
ELE 4454	3	Internship Seminar for Elementary Education

TEACHING FIELD (36 HOURS)

EDU 3308	3	Integrated STEM
EDU 4478	3	Practicum II
ELE 3360	3	Teaching Social Science
ELE 3361	3	Teaching Natural Science
ELE 3362	3	Teaching Mathematics
ELE 4481	3	Methods and Materials for the Elementary Teacher
RED 3310	3	Literacy Foundations I
RED 3320	3	Literacy Foundations II
RED 3380	3	Children's Literature
RED 4465	3	Practicum I
RED 4483	3	Reading Intervention Strategies
SPE 4407	3	Differentiation and Collaboration

COLLABORATIVE / SPECIAL EDUCATION TEACHER (K-6)

(121 Hours)

SPECIALIZED GENERAL STUDIES REQUIREMENTS:
See the General Studies section of this catalog for additional information.

Collaborative teacher majors must complete a minimum of 12 semester hours in each of the following disciplines as part of General Studies: Mathematics, Social Science, Science, and English.

Area V Requirements

MTH 1112	3	Pre-Calculus Algebra
MTH 2251	3	Mathematical Concepts for K-6 Teachers I
MTH 2252	3	Mathematical Concepts for K-6 Teachers II
SCI 2234	3	Earth and Space Science
SCI L234	1	Earth and Space Science Lab
TROY 1101	1	The University Experience

EDUCATION MAJOR PROFESSIONAL STUDIES (18 HOURS)

EDU 3303	3	Educational Psychology and Classroom Assessment
EDU 3305	3	Teaching with Technology
EDU 3310	3	Introduction to Education
EDU 4400	3	Classroom Management
EDU 4471	3	Curriculum and Instructional Delivery
SPE 3340	3	Introduction to Special Education

INTERNSHIP (12 HOURS)

SPE 4454	3	Internship Seminar
SPE 4474	9	Collaborative Teacher K-6 Internship

TEACHING FIELD (36 HOURS)

EDU 3308	3	Integrated STEM
EDU 4478	3	Practicum II
ELE 3362	3	Teaching Mathematics
RED 3310	3	Literacy Foundations I
RED 3320	3	Literacy Foundations II
RED 4465	3	Practicum I
RED 4483	3	Reading Intervention Strategies
SPE 3301	3	Advanced Topics in Disabilities
SPE 3306	3	Teaching Students with High Incidence Disabilities
SPE 3309	3	Teaching Students with Low Incidence Disabilities
SPE 3362	3	Policies and Procedures in Special Education
SPE 4407	3	Differentiation and Collaboration

COLLABORATIVE / SPECIAL EDUCATION TEACHER (6-12)

(121 Hours)

SPECIALIZED GENERAL STUDIES REQUIREMENTS:
See the General Studies section of this catalog for additional information.

Collaborative teacher majors must complete a minimum of 12 semester hours in each of the following disciplines as part of General Studies: Mathematics, Social Science, Science, and English.

Area V Requirements

MTH 1112	3	Pre-Calculus Algebra
MTH 2251	3	Mathematical Concepts for K-6 Teachers I
MTH 2252	3	Mathematical Concepts for K-6 Teachers II
SCI 2234	3	Earth and Space Science
SCI L234	1	Earth and Space Science Lab
TROY 1101	1	The University Experience

EDUCATION MAJOR PROFESSIONAL STUDIES (18 HOURS)

EDU 3303	3	Educational Psychology and Classroom Assessment
EDU 3305	3	Teaching with Technology
EDU 3310	3	Introduction to Education
EDU 4400	3	Classroom Management
EDU 4471	3	Curriculum and Instructional Delivery
SPE 3340	3	Introduction to Special Education

INTERNSHIP (12 HOURS)

SPE 4454	3	Internship Seminar
SPE 4465	9	Collaborative Teacher (6-12) Internship

TEACHING FIELD (36 HOURS)

EDU 3308	3	Integrated STEM
EDU 4478	3	Practicum II
ELE 3362	3	Teaching Mathematics
RED 3320	3	Literacy Foundations II
RED 4465	3	Practicum I
RED 4483	3	Reading Intervention Strategies
SPE 3301	3	Advanced Topics in Disabilities
SPE 3305	3	Vocation and Transition Planning for Secondary Students with Disabilities
SPE 3306	3	Teaching Students with High Incidence Disabilities
SPE 3309	3	Teaching Students with Low Incidence Disabilities
SPE 3362	3	Policies and Procedures in Special Education
SPE 4407	3	Differentiation and Collaboration

SECONDARY EDUCATION (6-12)

SPECIALIZED GENERAL STUDIES REQUIREMENTS:
See the General Studies section of this catalog for additional information. Students should consult their education advisers concerning all certification requirements and with their academic discipline adviser for requirements in the major. Students not seeking Alabama teacher certification should consult with the specific content discipline for major requirements.

EDUCATION MAJOR - PROFESSIONAL STUDIES (36 HOURS)

---- 4481	3	Methods and Materials for the Secondary Teacher (Prefix: BIO, CHM, ENG, HIS, HLT, MTH, SCI, OR SS)
SPE 3340	3	Introduction to Special Education **or** discipline specific course
EDU 3303	3	Educational Psychology and Classroom Assessment **or** discipline specific course
EDU 3305	3	Teaching with Technology
EDU 3310	3	Introduction to Education
EDU 4400	3	Classroom Management **or** discipline specific course
EDU 4471	3	Curriculum and Instructional Delivery **3**
RED 4401	3	Reading in the Content Areas
SED 4454	3	Internship Seminar for Secondary Education ***(see advisor for requirements in the major)***
---- 4474	9	Internship in Secondary Education (Prefix: BIO, EHM, ENG, HIS, HLT, MTH, SCI,

OR SS)

Available secondary education disciplines are as follows:

- Biology
- Chemistry
- English/Language Arts
- Comprehensive General Science
- History
- Mathematics
- Social Science

COMPREHENSIVE GENERAL SCIENCE EDUCATION *(TEACHING FIELD)*

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area III

BIO 1100	3	Principles of Biology
BIO L100	1	Principles of Biology Lab
CHM 1142	3	General Chemistry I
CHM L142	1	General Chemistry I Lab
MTH 1125	4	Calculus I

Area IV

- *Any 1000-2000 level History Course (3 Hours)*
- *1000-2000 level courses in Social Sciences: ECO, GEO, HIS, POL, and PSY or advisor approved course (3 Hours)*

Area V

PHY 2262	3	Physics I with Calculus
PHY L252	1	Physics I Lab
SCI 2234	3	Earth and Space Science
SCI L234	1	Earth and Space Science Lab
TROY 1101	1	The University Experience
LDR 1100	3	Introduction to Leadership

MAJOR REQUIREMENTS

BIO 2220	3	Principles of Cell Biology
BIO 3320	3	Genetics
BIO 3347	3	Human Anatomy and Physiology I
BIO L347	1	Human Anatomy and Physiology I Lab
CHM 1143	3	General Chemistry II
CHM L143	1	General Chemistry II Lab
CHM 3342	3	Organic Chemistry I
CHM L342	1	Organic Chemistry I Lab
GEO 3300	3	Principles of Physical Geography
STAT 2210	3	Introductory Statistics
PHY 2263	3	Physics II with Calculus
PHY L253	1	Physics II Lab

Select any 3000-4000 level Advisor Approved Course in Biology, Science, Physics, or Chemistry

HISTORY EDUCATION *(TEACHING FIELD)*

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area IV

Select one six-hour sequence:

HIS 1101	3	Western Civilization I
HIS 1102	3	Western Civilization II
OR		
HIS 1122	3	World History to 1500
HIS 1123	3	World History from 1500

Area V

GEO 2210	3	World Regional Geography
HIS 1111	3	U.S. to 1877
HIS 1112	3	U.S. since 1877
TROY 1101	1	The University Experience
LDR 1100	3	Introduction to Leadership

MAJOR REQUIREMENTS

HIS 3316	3	History of Alabama
HIS 3375	3	Research and Methodology
HIS 4490	3	Senior Seminar in History

MAJOR EMPHASIS

Select 15 hours of upper-level American/Latin American courses or 15 hours of upper-level courses European/ Asian/African

MINOR EMPHASIS

Select an additional 12 hours of upper-level American/Latin American courses or 12 hours of upper-level European/ Asian/African courses

Note: Minor Emphasis area of study must be different from Major Emphasis area.

MATHEMATICS EDUCATION *(TEACHING FIELD)*

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area III

MTH 1125	4	Calculus I

Area V

TROY 1101	1	The University Experience
STAT 2210	3	Introductory Statistics
MTH 2220	3	Computer Programming for Mathematics

MAJOR REQUIREMENTS

MTH 1126	4	Calculus II
MTH 2227	4	Calculus III
MTH 3311	3	Differential Equations
MTH 3318	3	Introduction to Advanced Mathematics
MTH 3331	3	Linear Algebra
MTH 3325	3	College Geometry
MTH 4424	3	Real Analysis I
MTH 4441	3	Abstract Algebra I
STAT 3350	3	Statistical Methods and Computations
MTH 4498	3	Math Education Capstone

Select six hours of 3000-4000 level mathematics electives or Advisor-Approved Mathematics Course

SOCIAL SCIENCE EDUCATION *(TEACHING FIELD)*

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area IV

Social Science Education Majors must take the following:

HIS 1101	3	Western Civilization I
HIS 1102	3	Western Civilization II

Area V

STAT 2210	3	Introductory Statistics

MAJOR REQUIREMENTS

SS 2220	3	Introduction to Social Science
SS 3375	3	Research Methods in the Social Sciences
SS 4498	3	Social Science Theory
SS 4499	3	Professional Seminar in the Social Sciences
HIS 3316	3	History of Alabama
POL 2260	3	World Politics
GEO 3300	3	Principles of Physical Geography
ECO 2251	3	Principles of Macroeconomics **OR** ECO 2252 Principles of Microeconomics

Choose one (3sh) 3000-4000 level American History Elective
Choose one (3sh) 3000-4000 level World History Elective
Choose one (3sh) 3000-4000 level Political Science Elective
Choose one (3sh) 3000-4000 level Geography Elective

INTERDISCIPLINARY EDUCATION (P-12)

Specialized General Studies Requirements
See the General Studies section of this catalog for additional information.

EDUCATION MAJOR (PROFESSIONAL STUDIES):

Music Education Majors

EDU 3310	3	Introduction to Education
MUS 4403	3	Classroom Management for the Music Educator
EDU 4471	3	Curriculum and Instructional Delivery
MUS 3346	3	Educational Psychology & Classroom Assessment in Fine Arts
RED 4401	3	Reading in the Content Areas
MUS 4460	3	Music for the Diverse Learner
MUS 3305	3	Music Technologies
MUS 4472	9	Internship in Music Education
IED 4454	3	Internship Seminar for Interdisciplinary Education
MUS 4481	3	Methods and Materials for the Secondary Music Teacher

Physical Education Majors

EDU 3310	3	Introduction to Education
KHP 4465	3	Classroom Management for Physical Educators
EDU 4471	3	Curriculum and Instructional Delivery
KHP 3303	3	Testing and Statistical Interpretation
RED 4401	3	Reading in the Content Areas
KHP 4462	3	Diverse Learners
KHP 3340	3	Fundamentals of Adapted Physical Education
EDU 3305	3	Teaching with Technology
IED 4454	3	Internship Seminar for Interdisciplinary Education
KHP 4481	3	Methods and Materials for the P-12 Physical Educator

Art Education Majors

EDU 3310	3	Introduction to Education
EDU 4400	3	Classroom Management
EDU 4471	3	Curriculum and Instructional Delivery
ART 3346	3	Educational and Psychology Assessment in Fine Arts
RED 4401	3	Reading in the Content Areas
SPE 3340	3	Introduction to Special Education
EDU 3305	3	Teaching with Technology
ART 4472	9	Internship in Art Education
IED 4454	3	Internship Seminar for Interdisciplinary Education
ART 4481	3	Methods and Materials for the Art Teacher

Theatre Education Majors

EDU 3310	3	Introduction to Education
EDU 4400	3	Classroom Management
EDU 4471	3	Curriculum and Instructional Delivery
THE 3346	3	Educational and Psychology Assessment in Fine Arts
RED 4401	3	Reading in the Content Areas
SPE 3340	3	Introduction to Special Education
EDU 3305	3	Teaching with Technology
THE 4472	9	Internship in Grades P-12
IED 4454	3	Internship Seminar for Interdisciplinary Education
THE 4481	3	Methods and Materials for the Theatre Teacher

ADDITIONAL INFORMATION
In addition to the required General Studies and the education major identified above, students seeking Alabama Teacher certification in grades P-12 should complete the academic major in a specific discipline, and select Education as the second major. Students should consult with their education adviser concerning all certification requirements and with their academic discipline adviser for requirements in the major. Available interdisciplinary education disciplines are as follows:

- Art
- Music, Instrumental
- Music, Choral
- Physical Education
- Theatre

NON-CERTIFICATION AND BEHAVIORAL SCIENCE PROGRAMS

ANTHROPOLOGY MAJOR

(36 Hours)

Area IV

Anthropology majors should take Area IV electives appropriate for their major.

Area V

ANT 2200	3	Anthropology
STAT 2210	3	Introductory Statistics

MAJOR REQUIREMENTS

ANT 3305	3	Introduction to Archaeology
ANT 3310	3	Cultural Anthropology
ANT 3311	3	Biological Anthropology
ANT 3340	3	Language in Culture and Society
ANT 3375	3	Research Methods in Anthropology
ANT 3376	3	Anthropological Statistics
ANT 4497	3	Professional Seminar in Anthropology
ANT 4498	3	Anthropological Theory

Select at least 12 hours of additional 3000/4000 level anthropology courses as approved by your faculty adviser

ACCELERATED LAW CURRICULUM OPTION

Students majoring in Anthropology and Legal Studies as a minor may select the Accelerated Law Curriculum Option. See the Accelerated Law Curriculum section the catalog for more information.

The 30 semester hours from the partnered institution will be credited as follows:

- 9 hours will be applied to the Legal Studies Minor
- 9 hours will be applied to the Anthropology Major
  - Civil Procedure I (3 hours)
  - Civil Procedure II (3 hours)
  - Criminal Law (3 hours)
- 12 hours will be applied to Area V General Studies

ANTHROPOLOGY MINOR

(18 Hours)

OURSES

ANT 2200 3 Anthropology

Select at least 15 hours of additional 3000/4000-level anthropology courses as approved by your faculty adviser.

BACHELOR OF APPLIED SCIENCE IN RESOURCE AND TECHNOLOGY MANAGEMENT

(36 Hours)

Area IV Requirements

Choose six credit hours from the following:

ANT 2200 3 Anthropology
CJ 1101 3 Introduction to Criminal Justice and Criminology
ECO 2251 3 Principles of Macroeconomics
ECO 2252 3 Principles of Microeconomics
GEO 2210 3 World Regional Geography
PHI 2205 3 Introduction to Logic
PHI 2210 3 Critical Thinking
SOC 2275 3 Introduction to Sociology

Area V Requirements

TROY 1101 1 The University Experience
LDR 1100 3 Introduction to Leadership
STAT 2210 3 Introductory Statistics

REQUIRED CORE COURSES (18 HOURS)

Select 18 hours from the following courses:

MGT 3300 3 Principles of Management
MKT 3300 3 Principles of Marketing
CS 3310 3 Foundations of Computer Science
SS 3375 3 Research Methods in the Social Sciences
SCI 3365 3 Principles of Applied Science
BIO 4465 3 Occupational Safety and Health
PSY 4410 3 Industrial/Organizational Psychology
LDR 3300 3 Leadership Theory

Choose either Option 1 or Option 2

OPTION 1 (18 Hours)

Select two (2) of the following concentrations:

Human Resources

Select nine (9) hours from the following:

HRM 4482 3 Managing Health, Safety and Diversity
HRM 4455 3 Employment Law
HRM 4483 3 Human Resource Development
MGT 4472 3 Organizational Behavior

Leadership

Select nine (9) hours from the following:

LDR 3320 3 Great Leaders
LDR 2200 3 Tools for Leaders
LDR 4400 3 Leadership Seminar
LDR 4402 2 Leadership Seminar Field Experience

Sociology

Select nine (9) hours from the following:

SOC 3370 3 Society and Environment
SOC 4411 3 Population and Society
SOC 4413 3 Sociology of Race and Ethnicity
SOC 4445 3 Trends in Globalization

Criminal Justice

Select nine (9) hours from the following:

CJ 3335 3 Security Operations
CJ 3380 3 Digital Forensics I
CJ 4472 3 Cyber Crime
CJ 4475 3 Seminar in Cyber Security

Computer Science

CS 2250 3 Computer Science I
CS 2255 3 Computer Science II
CS 3334 3 Foundations of Cyber Security

Science

Select nine (9) hours from the following:

BIO 4460 3 Critical Issues in Environmental Management
SCI 3370 3 Toxic, Radioactive, & Hazardous Materials
SCI 4450 3 Science in a Regulatory Environment
BIO 4479 3 Environmental Assessment
BIO L479 1 Environmental Assessment Lab

OPTION 2 (18 Hours)

Transfer of *Specialized technical courses. (not to exceed 18 semester hours.)

***Specialized technical courses.**

Credit will be awarded for specialized technical knowledge based upon American Council of Education (A.C.E.) credit recommendations or transfer work from regionally accredited (Southern Association of Colleges and Schools, Middle States Association of Colleges and Schools, etc.) post- secondary community college, or technical schools as approved by the Academic Council. Specializations are not available in fields of study that are offered through Troy University as majors, programs, or minors, e.g., nursing, computer science, information systems, or education. Exceptions to the use of a Troy University minor are the programs in Aviation Operations and Advanced Professional Flight. Program requirements for either minor may be used to satisfy the 18 hours of specialized technical courses.

Eligibility

Eligibility for enrollment in one of the applied science degree programs is dependent upon prior education and/or experience. Before enrollment in one of the programs, official documentation of prior learning must be submitted to determine eligibility. All post-secondary technical school transfer students must complete all courses required in the institution's curriculum and earn (if appropriate) a diploma or certificate before being granted admission into the resources management degree program. No additional credit will be awarded for the possession of a license (i.e., all credit awarded is based on documentation of training and evaluation leading to the issue of a license, not the mere possession of a license). All credit from the Community College of the Air Force (CCAF), accredited post secondary technical schools, and/or American Council on Education (ACE) recommendations will be considered junior college credit except where specifically recommended by ACE for upper-division credit. No credit will be awarded until six semester hours of academic credit has been earned at Troy University. At least 50 percent of the degree program must be traditional academic credit at the 3300/4400 level. Curriculum: The academic curricula taught by the university have been developed to supplement, not duplicate, the vocational/technical training or other experiential learning the individual may possess in a manner designed to provide these individuals greater career opportunities.

CRIMINAL JUSTICE MAJOR

(36 Hours)

Criminal justice majors are encouraged to take two semesters of Spanish or another world language as part of their general studies requirements.

Area IV

CJ 2221 3 Survey of Law Enforcement
CJ 2231 3 Survey of Corrections

Area V

CJ 2241 3 Survey of Criminal Law and Constitutional Criminal Procedure

REQUIRED COURSES

CJ 1101 3 Introduction to Criminal Justice and Criminology
CJ 3375 3 Research Methods
CJ 3376 3 Criminal Justice Statistics
CJ 4498 3 Criminological Theory
CJ 4499 3 Professional Seminar in Criminal Justice

Select 21 additional hours of upper-level (3000-4000) Criminal Justice courses, as approved by the advisor for the major.

MAJOR ELECTIVES

Select 21 additional hours of upper-level (3000-4000) Criminal Justice courses, as approved by the advisor for the major.

ACCELERATED LAW CURRICULUM OPTION

Students majoring in Criminal Justice and Legal Studies as a minor may select the Accelerated Law Curriculum Option. See the Accelerated Law Curriculum section the catalog for more information.

The 30 semester hours from the partnered institution will be credited as follows:

- 9 hours will be applied to the Legal Studies Minor
- 6 hours will be applied to the Criminal Justice Major
  - Civil Procedure I (3 hours)
  - Civil Procedure II (3 hours)
- 15 hours will be applied to Area V General Studies

CRIMINAL JUSTICE MINOR

(18 Hours)

REQUIRED COURSES

CJ 1101 3 Introduction to Criminal Justice and Criminology

Select 15 additional hours of upper-level criminal justice courses as approved by the adviser.

GENERAL EDUCATION, A.A.

(60 Hours)

See the academic regulations section of this catalog for additional information regarding associate degrees.

***Note:** Students who pursue a baccalaureate degree with Troy University following the completion of the Associate of Arts in General Education must meet the minimum grade requirements in mathematics.*

GENERAL STUDIES REQUIREMENTS:

Area I

ENG 1101 3 Composition and Modern English I
ENG 1102 3 Composition and Modern English II

Area II

Select six hours of one world languages offered by Department of World Languages and Cultures in a language other than the student's native language.

Select one of the following:

ART 1133 3 Visual Arts
THE 1130 3 Introduction to Theatre
MUS 1131 3 Music Appreciation

Select one of the following:

ENG 2205 3 World Literature before 1660
ENG 2206 3 World Literature after 1660
ENG 2211 3 American Literature before 1875
ENG 2212 3 American Literature after 1875
ENG 2244 3 British Literature before 1785
ENG 2245 3 British Literature after 1785

Area III

Select one of the following:

MTH 1110 3 Finite Mathematics
MTH 1112 3 Pre-Calculus Algebra

Select one science course and corresponding lab:

BIO 1100 3 Principles of Biology
BIO L100 1 Principles of Biology Lab
SCI 2233 3 Physical Science
SCI L233 1 Physical Science Lab
SCI 2234 3 Earth and Space Science
SCI L234 1 Earth and Space Science Lab

Area IV

Select one of the following:

HIS 1101 3 Western Civilization I
HIS 1102 3 Western Civilization II
HIS 1111 3 U.S. to 1877
HIS 1112 3 U.S. since 1877
HIS 1122 3 World History to 1500
HIS 1123 3 World History from 1500

Area V

TROY 1101 1 The University Experience
LDR 1100 3 Introduction to Leadership

Additional Requirements

Select additional free electives to complete a total of 60 hours. The completion of 12 or more elective hours within the same discipline area (English, Math, History, etc) will constitute an emphasis area with the Associate's degree. Emphasis areas are not required for the completion of the Associate's degree.

GENERAL EDUCATION, A.S.

(60 Hours)

See the academic regulations section of this catalog for additional information regarding associate degrees.

***Note:** Students who pursue a baccalaureate degree with Troy University following the completion of the Associate of Arts in General Education must meet the minimum grade requirements in mathematics.*

GENERAL STUDIES REQUIREMENTS:

Area I

ENG 1101 3 Composition and Modern English I
ENG 1102 3 Composition and Modern English II

Area II

Select one of the following:

ART 1133 3 Visual Arts
THE 1130 3 Introduction to Theatre
MUS 1131 3 Music Appreciation

Select one of the following:

ENG 2205 3 World Literature before 1660
ENG 2206 3 World Literature after 1660
ENG 2211 3 American Literature before 1875
ENG 2212 3 American Literature after 1875
ENG 2244 3 British Literature before 1785
ENG 2245 3 British Literature after 1785

Area III

Select one of the following:

MTH 1110	3	Finite Mathematics
MTH 1112	3	Pre-Calculus Algebra

Select one science course and corresponding lab:

BIO 1100	3	Principles of Biology
BIO L100	1	Principles of Biology Lab
SCI 2233	3	Physical Science
SCI L233	1	Physical Science Lab
SCI 2234	3	Earth and Space Science
SCI L234	1	Earth and Space Science Lab

Area IV

Select one of the following:

HIS 1101	3	Western Civilization I
HIS 1102	3	Western Civilization II
HIS 1111	3	U.S. to 1877
HIS 1112	3	U.S. since 1877
HIS 1122	3	World History to 1500
HIS 1123	3	World History from 1500

Area V

TROY 1101	1	The University Experience
LDR 1100	3	Introduction to Leadership

Additional Requirements

Select additional free electives to complete a total of 60 hours. The completion of 12 or more elective hours within the same discipline area (English, Math, History, etc.) will constitute an emphasis area with the Associate's degree. Emphasis areas are not required for the completion of the Associate's degree.

INTERPRETER TRAINING PROGRAM

Troy University's interpreter training program provides graduates with the content knowledge and skills necessary to be licensed ASL English interpreters. This program meets societal needs by training interpreters for employment in various settings where they will serve deaf and hard of hearing populations.

*In order to officially enter the ITP and begin taking ITP prefix courses, a student must have:

- A 2.75 cumulative GPA on all coursework;
- An Intermediate Plus or higher on the Sign Language Proficiency Interview (SLPI) or possess national certification;
- Completed ASL I-IV either at Troy University or any regionally accredited university.

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area II

ASL 1141	3	American Sign Language I
ASL 1142	3	American Sign Language II

Area IV

PSY 2200	3	Introduction to Psychology

Select additional Area IV requirements as shown in the General Studies section of this catalog.

Area V Requirements

ITP 2200	3	Introduction to Interpreting: Professional Identity and Ethical Considerations
ASL 2241	3	American Sign Language III
ASL 2242	3	American Sign Language IV
ASL 3310	3	Deaf Culture and Diverse Populations
TROY 1101	1	The University Experience
LDR 1100	3	Introduction to Leadership

REQUIRED COURSES

ASL 1160	2	Visual/Gestural Communication
ASL 1170	2	ASL Semantics and Structure
ASL 2230	2	ASL Classifiers and Depiction
ITP 3351	3	ASL/English Linguistics
ITP 3353	3	Introduction to Interpreting English to ASL
ITP 3354	3	Introduction to Interpreting ASL to English
ITP 3355	3	Transliteration
ITP 3360	3	Models of Interpretation / Transliteration
ITP 3364	3	Introduction to Educational Interpreting/ Transliterating
ITP 3366	3	Discourse Analysis I
ITP 3368	3	Interpreting in Specialized Settings
ITP 3375	3	Introduction to Interactive Interpreting
ITP 4452	3	Discourse Analysis II
ITP 4456	3	Advanced English to ASL
ITP 4457	3	Advanced ASL to English
ITP 4458	3	Advanced Interactive Interpreting
ITP 4462	3	Practicum I: Seminar and Field Experiences
ITP 4463	3	Practicum II: Seminar and Field Experience
ITP 4465	6	Internship: Educational Interpreting
ITP 4466	6	Internship: Community Interpreting

MASTER MENTOR PROGRAM

The Master Mentor Program consists of four (4) 3-hour courses as outlined below. Students may enroll in this track in their final year of study. Students accepted into this track are still required to meet the 120-credit hour program criteria, as well as all other graduation requirements set forth in the ITP curriculum. Students wishing to enroll in the MMP track in lieu of Community Internship and Education Internship must meet the following criterion:

- *Possess Registry of Interpreters for the Deaf (RID) national certification for a minimum of 5 years prior to entry into the Interpreter Training Program.*

REQUIRED COURSES

ITP 4467	3	Interpreting Mentorship I: Sign Language/ English Interpreting
ITP 4468	3	Interpreting Mentorship II: Sign Language/ English Interpreting
ITP 4469	3	Interpreting Mentorship III: Sign Language/ English Interpreting Practicum
ITP 4470	3	Interpreting Mentorship IV: Sign Language/ English Interpreting Internship

OCCUPATIONAL EDUCATION PROGRAM (BSOE)

The Bachelor of Science Degree in Occupational Education combines theory with experience to prepare students as workforce development professionals in a variety of settings and occupations. Students qualify for the program based upon completion or possession of an Associates' Degree from an accredited college or university.

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

General Studies courses should meet the Troy University General Studies Program guidelines.

ADMISSION REQUIREMENTS TO THE BSOE PROGRAM

To apply for admission to the BSOE program, applicants must submit:

1. Completed Application for Admission,
2. Official transcript(s) from all colleges and universities attended,

3. Evidence of an Associates' Degree from a regionally accredited college*, or Associate of Applied Science Degree

*Any awarded Associates Degree must include coursework commensurate with the Troy University General Studies Program.

**** CREDENTIALED WORK-RELATED EXPERIENCE (30 HOURS)**

Troy University recognizes that individuals working in various occupations have garnered hundreds, perhaps thousands of hours of experience to become highly proficient in a particular area. Further, these individuals earn certifications, licenses, or some sort of credential indicating expertise. Troy University will provide academic credit for those hard-earned credentials.

Individuals in the BSOE program can earn up to 30 hours *in one of two ways*:

1. **National, state, military, or professional credentials** that are widely recognized in the field as indicating *currency* and *competency* in work related abilities. These credentials will be scrutinized by TROY for authenticity, rigor, and occupational regard. Examples of acceptable credentials would include:
    - National Inspection Testing and Certification Corporation (NITC) certification
    - ANSI/NETA ETT **(***Standard for Certification of Electrical Testing Technicians)*
    - Certified Information Systems Security Specialist (CISSP)
    - A+ Certification
    - Security + Certification
    - Community College of the Air Force credentials
    - USAF Air University credentials
    - Air Force Credentialing Opportunities Online (COOL)
    - American Council on Education Credit (A.C.E.)

    After review, TROY will award appropriate credit up to 30 hours. Should the award fall below 30 hours, TROY will recommend subsequent action to reach the 30-hour requirement. (Example: enrollment in a specified program of study at a community college to earn credit in related skill areas.)
2. A detailed **Work-Related Portfolio Assessment** that must be completed before registering for the Professional Core. This portfolio will be assembled by potential students for evaluation by Troy University. In turn, TROY will determine appropriate academic credit (hours) and recommend any additional credentials needed to earn the full 30 hours required.

    Troy University recognizes that some students may have acquired knowledge and skills through life experiences, but may not have recognized credentials indicating currency and/or competency in those skills. The **Work-Related Portfolio Assessment** allows students the opportunity to have life/work related experiences evaluated as educational experiences and credited toward the BSOE Area 2: Work Related Experience. This portfolio is a collection of materials which represent a student's life experience in a certain subject area or skill. It will be assembled by potential students for evaluation by Troy University. In turn, TROY will determine academic credit (hours) and recommend any additional credentials needed to earn the full 30 hours required.

    Portfolio contents include:

    - **Cover Letter (Required):** A cover letter briefly summarizes and clarifies the life experiences, work related activities, and credential for which credit is requested. This letter can include:

        Community service
        Correspondence courses
        Employment
        Learning through technology
        Non-credit experience
        Certificates, licenses, awards
        Travel
    - **Resume (Required):** A more in-depth description of the applicant's personal history such as education, employment, experiences, awards, etc.
    - **Job description(s):** Detailed descriptions of past employment commensurate with skills/ability claimed. This includes duties, responsibilities, length of employment, and any other details that would indicate work related experience.
    - **Documents:** Documents indicating proficiency levels in relevant areas of performance. This could include certificates, licenses, awards, supervisory ratings, commendations, and/or any other verification of skills.
    - **Reflections:** Written documentation of personal accomplishments and why the applicant feels their experiences merit academic credit.
    - **Artifacts:** Samples of work demonstrating applications of the concepts and principles in the skill being considered, such as engineering drawings, technical manuals, publications, video and/or audio tapes, and any other creations deemed appropriate, etc.

    NOTE: *Students submitting credentials for the portfolio are provisionally admitted. They will be permitted to begin Area 3 (the Professional Core) only after TROY has rendered a decision regarding credit award and additional credentials needed.*

ACADEMIC CORE (30 HOURS)

ADE 3301	3	Education Leadership and Motivation in Adult Learning
ADE 3305	3	Teaching Adults with Technology
ADE 3310	3	Teaching Adult Learners
ADE 3320	3	Assessing Adult Learners
ADE 3346	3	Educational Psychology in Adult Learning
ADE 4400	3	Classroom Management in Adult Learning
ADE 4401	3	Problem Solving and Decision Making
ADE 4410	3	Professional Education Communication (Student Counseling)
ADE 4420	3	History and Development of the Workforce
COM 2231	3	Interpersonal Communication

ADDITIONAL INFORMATION

It is also recognized that many BSOE students may have already been in an occupational education environment and/or may have secured additional, related hours for courses similar to the Professional Core. To recognize and provide credit for these experiences, TROY will provide up to twelve (12) hours credit to the professional core in this manner:

1. **Transfer credit** for courses taken at another regionally accredited university with a grade of "B" or better. These courses must be comparable in catalog description to courses in the Professional Core and must be approved by the Dean of the College of Education and Behavioral Sciences.
2. **Prior Learning Assessment** (PLA). Students wishing to receive credit for the following courses must pass a course specific exam to receive credit for any one of these courses. These exams are developed by TROY faculty to assess a potential student's grasp of course

content. Each course will have one exam that is proctored at an appropriate location.

ADE 3310 - Teaching Adult Learners
ADE 3320 - Assessing Adult Learners
ADE 3305 - Teaching Adults with Technology

NOTE: Academic Regulation Requiring Residency. For Students seeking a bachelor's degree from TROY, 25% of the credit hours required for the degree must be completed in "residence" through TROY or TROYONLINE. Therefore, in some cases, students will not be granted transfer credit or PLA credit even if they qualify.

NOTE: Case Example - Student A, a welding instructor at ABC Community College, starts TROY with an associate's degree and registers for the BSOE degree. Student A also provides evidence of work related experience. Student A MUST take all ten, 3-hour course to satisfy TROY's 25% credit hour academic requirements.

POLITICAL SCIENCE MAJOR

(36 Hours)

Area V Requirements

TROY 1101	1	The University Experience
LDR 1100	3	Introduction to Leadership
POL 2241	3	American National Government **OR** placement in POL 2240
POL 2260	3	World Politics

MAJOR REQUIREMENTS

POL 3300	3	Foundations of Political Science
POL 3330	3	Political Theory
POL 3390	3	The Art of Political Science Research

Select one course from the following:

POL 3340	3	U.S. Government - Executive Branch
POL 3341	3	U.S. Government - Legislative Branch
POL 3342	3	U.S. Government - Judicial Branch 3 Credit

Select one course from the following:

POL 3351	3	International Relations
POL 4410	3	International Political Economy
POL 4433	3	Comparative Government

Select one course from the following:

POL 4421	3	Introduction to Public Administration
POL 4422	3	Public Policy Making
POL 4451	3	Public Personnel Administration

MAJOR ELECTIVES

Select 18 hours of 3000 or 4000 level advisor approved electives in political science.

ACCELERATED LAW CURRICULUM OPTION

Students majoring in Political Science and Legal Studies as a minor may select the Accelerated Law Curriculum Option. See the Accelerated Law Curriculum section the catalog for more information.

The 30 semester hours from the partnered institution will be credited as follows:

- 9 hours will be applied to the Legal Studies Minor
- 6 hours will be applied to the Political Science Major
  - Civil Procedure I (3 hours)
  - Civil Procedure II (3 hours)
- 15 hours will be applied to Area V General Studies

POLITICAL SCIENCE MINOR

(18 Hours)

REQUIRED COURSES

POL 3300	3	Foundations of Political Science

Select an additional 15 hours of upper level courses, as approved by your academic adviser.

PSYCHOLOGY MAJOR

Psychology is the science concerned with the understanding of behavior and mental processes. A major in psychology provides students with (1) a useful foundation for further study at the graduate level, leading to various careers in psychology, or to study in the health professions and social work; (2) skills related to employment at the baccalaureate level for the pursuit of careers in mental health services, industry, human services or areas where the knowledge of behavior would be deemed beneficial; and (3) a sound preparation for describing, understanding, predicting, and controlling the events in their own lives. Students who obtain an advanced degree have a growing range of new opportunities for employment in medical settings, sports, business, the military, as well as private practice, university teaching, and research.

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area IV

Required (6 Hours)

PSY 2200	3	Introduction to Psychology
PSY 2210	3	Developmental Psychology

Electives (21 Hours)

Students must choose an additional 21 hours of free electives.

MAJOR REQUIREMENTS

Required Core (12 hours)

PSY 2230	3	Orientation to the Psychology Major
PSY 3301	3	Basic Statistics
PSY 3311	3	Research Methods
PSY 4480	3	Senior Seminar in Psychology

Group 1 - Select 2 courses from the following (6 Hours):

PSY 3310	3	Sensation and Perception
PSY 3340	3	Psychology of Learning
PSY 3370	3	Comparative Psychology
PSY 3385	3	Evolutionary Psychology
PSY 4421	3	Physiological Psychology
PSY 4460	3	Cognitive Psychology
PSY 4474	3	Research Methods of Behavior

Group 2 – Select 2 courses from the following (6 Hours):

PSY 3304	3	Abnormal Psychology
PSY 3312	3	Psychology of Women
PSY 3315	3	Cultural and Diversity Psychology
PSY 3380	3	Social Psychology
PSY 4402	3	Principles of Counseling
PSY 4450	3	Theories of Personality
PSY 4478	3	Ethics in Behavior Analysis

Group 3– *Select 2 courses from the following (6 Hours):*

PSY 3330	3	Health Psychology
PSY 3332	3	Family Violence
PSY 3360	3	Forensic Psychology
PSY 4410	3	Industrial/Organizational Psychology
PSY 4451	3	History and Systems of Psychology
PSY 4459	3	Foundations of Behavior Analysis
PSY 4463	3	Organizational Behavior Management

Group 4 (6 Hours)

Select any 2 psychology courses not completed in another area **OR** EDU 4490

PSYCHOLOGY MINOR

(18 Hours)

Students may select any 6 (18 hours) PSY courses. PSY 2230 is a prerequisite for some upper level PSY courses.

REHABILITATION AND DISABILITY STUDIES MAJOR

The purpose of the undergraduate rehabilitation and disabilities studies major is twofold: (1) to prepare graduates for entry level professional rehabilitation positions both in the public and private sectors, and (2) to prepare students for graduate education in general and, in particular, graduate education in rehabilitation. The curriculum is built upon a strong liberal arts base designed to provide the student with an understanding of human behavior within the context of the social environment; an understanding of social service resources and social policy planning and analysis particularly as related to client systems served by rehabilitation professionals; understanding and skills needed to become a consumer of practice research and an ability to evaluate one's own practice effectiveness; an understanding of rehabilitation theory and issues; skills in the assessment of disability; basic skills in effective communication with client systems; skills in the use of vocational information systems; the development of intervention strategies in human problems; and the development of skills to support action programs for client populations with disabilities. A field practicum is required (minimum of 240 clock hours).

PROGRESSION IN REHABILITATION

A student remains in good standing by maintaining, at a minimum, a 2.0 GPA in all course work taken and a 2.0 GPA in all required departmental and professional courses.

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area IV Requirements

PSY 2210	3	Developmental Psychology
PSY 2230	3	Orientation to the Psychology Major

Area V Requirements

PSY 3304	3	Abnormal Psychology

Electives (9 hours)

Students must choose an additional 9 hours of free electives.

PROGRAM REQUIREMENTS (33 HOURS)

HS 2240	3	Ethics in the Helping Profession
PSY 3301	3	Basic Statistics
PSY 3311	3	Research Methods
PSY 4402	3	Principles of Counseling
RHB 3345	3	Foundations of Rehabilitation
RHB 3350	3	Disability and Employment
RHB 3360	3	Vocational Assessment
RHB 3380	3	Medical and Vocational Aspects of Disabilities
RHB 4410	1	Rehabilitation Pre-practicum
RHB 4420	3	Rehabilitation Practicum I
RHB 4450	2	Senior Seminar

Select one of the following courses:

SWK 3375	3	Practicing Cultural Competency
HS 3375	3	Practicing Cultural Responsiveness
RHB 3375	3	Diversity
PSY 3315	3	Cultural and Diversity Psychology

MAJOR ELECTIVES

Select one of the following (3 Hours):

RHB 4430	3	Rehabilitation Practicum II *
RHB 9920	3	Youth Leadership Forum Practicum

Select three of the following (9 Hours):

RHB 3385	3	Rehabilitation of Persons with Severe Disabilities
PSY 4459	3	Foundations of Behavior Analysis
ASL 3310	3	Deaf Culture and Diverse Populations
HS 2250	3	Fundamentals of Case Management
NSG 2230	3	Advanced Medical Terminology
NSG 2285	3	Perspectives of Aging
RHB 3365	3	Introduction to Visual Impairment
RHB 9920	3	Youth Leadership Forum Practicum
RHB 4440	3	Rehabilitation Practicum III*
SLP 3301	3	Introduction to Communication Disorders

*Note: *120-hour field experience. This could be completed at the same site as Practicum I, or at a separate site.*

MINOR

Complete one of the following recommended minors or an advisor approved minor (18 hours): Applied Behavior Analysis, Case Management, Criminal Justice, Exercise Science, Health Promotion, Interpreter Training, Leadership Development, Military Operations, Recreation, Spanish, Contract Medical Minor.

REHABILITATION AND DISABILITIES STUDIES MINOR

(18 Hours)

REQUIRED COURSES

RHB 3345	3	Foundations of Rehabilitation
RHB 3350	3	Disability and Employment
RHB 3360	3	Vocational Assessment
RHB 3380	3	Medical and Vocational Aspects of Disabilities
PSY 3304	3	Abnormal Psychology

Select one of the following (3 Hours):

RHB 3385	3	Rehabilitation of Persons with Severe Disabilities
PSY 3340	3	Psychology of Learning
PSY 3380	3	Social Psychology
PSY 4459	3	Foundations of Behavior Analysis

SOCIAL SCIENCE MAJOR

(36 Hours)

MAJOR REQUIREMENTS

SS 2220	3	Introduction to Social Science
SOC 3300	3	Social Institutions **OR** SOC 3301 Collective Behavior and Social Movements
SOC 3379	3	Social Problems in Contemporary Society
SS 3375	3	Research Methods in the Social Sciences
SS 3376	3	Social Science Statistics
SOC 4421	3	Social Inequality
SS 4498	3	Social Science Theory
SS 4499	3	Professional Seminar in the Social Sciences

Select an additional 12 hours of approved upper-level courses in at least three disciplines from the following: anthropology, economics, geography, history, political science, psychology, sociology, criminal justice, or as approved by the department chair

ACCELERATED LAW CURRICULUM OPTION

Students majoring in Social Science and Legal Studies as a minor may select the Accelerated Law Curriculum Option. See the Accelerated Law Curriculum section the catalog for more information.

The 30 semester hours from the partnered institution will be credited as follows:

- 9 hours will be applied to the Legal Studies Minor
- 6 hours will be applied to the Social Science Major
  - Civil Procedure I (3 hours)
  - Civil Procedure II (3 hours)
- 15 hours will be applied to Area V General Studies

SOCIAL SCIENCE MINOR: GENERAL SOCIAL SCIENCE

Select an additional 18 hours from at least three of the following: anthropology, criminal justice, economics, geography, history, political science, psychology, social science, or sociology. At least 12 hours must be 3000/4000 level.

SOCIOLOGY MAJOR

(36 Hours)

Area IV Requirements

SOC 2275	3	Introduction to Sociology

Area V Requirements

TROY 1101	1	The University Experience
LDR 1100	3	Introduction to Leadership

MAJOR REQUIREMENTS

SOC 3300	3	Social Institutions **OR** SOC 3301 Collective Behavior and Social Movements
SOC 3379	3	Social Problems in Contemporary Society
SOC 3375	3	Research Methods in Sociology
SOC 3376	3	Sociological Statistics
SOC 4421	3	Social Inequality
SOC 4498	3	Sociological Theory
SOC 4499	3	Professional Seminar in Sociology

Select an additional 15 hours of approved upper-level sociology courses.

ACCELERATED LAW CURRICULUM OPTION

Students majoring in Social Science and Legal Studies as a minor may select the Accelerated Law Curriculum Option. See the Accelerated Law Curriculum section the catalog for more information.

The 30 semester hours from the partnered institution will be credited as follows:

- 9 hours will be applied to the Legal Studies Minor
- 6 hours will be applied to the Sociology Major
  - Civil Procedure I (3 hours)
  - Civil Procedure II (3 hours)
- 15 hours will be applied to Area V General Studies

SOCIOLOGY MINOR

(18 Hours)

REQUIRED COURSES

SOC 2275	3	Introduction to Sociology

Select 15 hours of approved, upper-level Sociology courses. SOC 3379 may be applied toward the minor.

AIR FORCE ROTC/AEROSPACE STUDIES MINOR

(18 Hours)

Those students pursuing a career in the Air Force will be individually advised by the faculty as to commissioning requirements and courses needed.

REQUIRED COURSES

AS 3312	3	Leading People and Effective Communication I
AS 3313	3	Leading People and Effective Communication II
AS 4412	3	National Security and Preparation for Active Duty I
AS 4413	3	National Security and Preparation for Active Duty II

Select two three-hour courses from upper level Political Science (POL), History (HIS), Geography (GEO), Geographic Information Sciences (GIS), Leadership (LDR), or Social Sciences (SS)*

Note: *Independent Study and Research program credit(s) may be applied with prior approval by the Department of Aerospace Studies.

AMERICAN POLITICS MINOR

(18 Hours)

REQUIRED COURSES (9 HOURS)

POL 3340	3	U.S. Government - Executive Branch
POL 3341	3	U.S. Government - Legislative Branch
POL 3342	3	U.S. Government - Judicial Branch

Select three of the following courses (9 Hours):

POL 3343	3	American Political Processes
POL 3355	3	Southern Politics
POL 3364	3	State and Local Politics
POL 3338	3	Women in Politics
POL 3339	3	African-American Politics
POL 4405	3	Political Behavior and Public Opinion
POL 4420	3	Constitutional Law
POL 4421	3	Introduction to Public Administration
POL 4422	3	Public Policy Making
POL 4424	3	Contemporary American Foreign Policy
POL 4432	3	Comparative Public Policy
POL 4451	3	Public Personnel Administration
POL 4453	3	Bureaucratic Politics
POL 4469	3	Religion in Politics
POL 4472	3	Administrative Law

AMERICAN SIGN LANGUAGE MINOR

(18 Hours)

REQUIRED COURSES

ITP 2200	3	Introduction to Interpreting: Professional Identity and Ethical Considerations
ASL 1141	3	American Sign Language I
ASL 1142	3	American Sign Language II
ASL 2241	3	American Sign Language III
ASL 2242	3	American Sign Language IV
ASL 3310	3	Deaf Culture and Diverse Populations

APPLIED BEHAVIOR ANALYSIS MINOR

(18 Hours)

REQUIRED COURSES

PSY 4459	3	Foundations of Behavior Analysis
PSY 4463	3	Organizational Behavior Management
PSY 4474	3	Research Methods of Behavior
PSY 4477	3	Behavioral Assessment
PSY 4476	3	Behavioral Intervention
PSY 4478	3	Ethics in Behavior Analysis

ARCHAEOLOGY MINOR

(18 Hours)

REQUIRED COURSES

*(*A grade of "C" or better is required)*

ANT 3305	3	Introduction to Archaeology *
ANT 3312	3	Field Techniques in Archaeology*
ANT 4460	3	Archaeological Method and Theory*

An additional 9 hours from 3000/4000 level courses can be selected from the following departments: Art History, Classics, Geomatics, GIS, Geography, History, Philosophy, Religion, and approved by an Anthropology faculty

DIGITAL FORENSICS MINOR

(18 Hours)

REQUIRED COURSES

Select 18 hours from the following:

CJ 4472	3	Cyber Crime
CJ 4475	3	Seminar in Cyber Security
CJ 4480	3	Digital Forensics II
CJ 4481	3	Operating and File System Forensics
CJ 4482	3	Digital Evidence Practicum
CJ 3382	3	Social Media Investigation
CJ 3380	3	Digital Forensics I

EDUCATIONAL STUDIES MINOR

(18 Hours)

REQUIRED COURSES

EDU 3303	3	Educational Psychology and Classroom Assessment **or** discipline specific course
EDU 3305	3	Teaching with Technology
EDU 3310	3	Introduction to Education
EDU 4400	3	Classroom Management **or** discipline specific course
SPE 3340	3	Introduction to Special Education

Pick one of the following:

MTH 2251	3	Mathematical Concepts for K-6 Teachers I
MTH 2252	3	Mathematical Concepts for K-6 Teachers II
EDU 2230	3	Fundamentals of Teaching
LDR 1100	3	Introduction to Leadership
PSY 2210	3	Developmental Psychology

3 hours of Adviser approved course

GEOGRAPHY MINOR

(18 Hours)

REQUIRED COURSES

GEO 3300	3	Principles of Physical Geography
GEO 3301	3	Principles of Cultural Geography

Select an additional 12 hours of approved, upper-level geography courses.

HOMELAND SECURITY MINOR

(18 Hours)

REQUIRED FOR THE MINOR

CJ 3309	3	Foundations of Homeland Security

Select 15 hours from the following as approved by the adviser:

CJ 3305	3	Crisis Management
CJ 3335	3	Security Operations
CJ 4405	3	National Security and the Law
CJ 4406	3	Transnational Organized Crime
CJ 4420	3	Comparative Criminal Justice
CJ 4440	3	Terrorism
CJ 4456	3	Human Trafficking
CJ 4489	3	Internship in a Criminal Justice Agency **OR** CJ 4490 Internship in a Criminal Justice Agency (limit one)
POL 3364	3	State and Local Politics
POL 4415	3	International Conflict
POL 4422	3	Public Policy Making

INTELLIGENCE MINOR

(18 Hours)

REQUIRED FOR THE MINOR

CJ 3308	3	Foundations of Intelligence

Select 15 hours from the following courses:

CJ 3309	3	Foundations of Homeland Security
CJ 3350	3	Gangs
CJ 3382	3	Social Media Investigation
CJ 4406	3	Transnational Organized Crime
CJ 4407	3	Homicide
CJ 4425	3	Violence in America
CJ 4440	3	Terrorism
CJ 4456	3	Human Trafficking
CJ 4472	3	Cyber Crime
CJ 4498	3	Criminological Theory

INTER-CULTURAL COMPETENCY MINOR

(18 Hours)

REQUIRED CORE COURSES (9 HOURS)

ANT 3310	3	Cultural Anthropology
POL 2260	3	World Politics
POL 4460	3	Intercultural Relations

Select 9 hours from the following:

ANT 3340	3	Language in Culture and Society
ANT 4411	3	High Civilizations of the New World
GEO 2210	3	World Regional Geography
GEO 3301	3	Principles of Cultural Geography
GEO 3307	3	Geography of Europe
POL 4450	3	Latin American Politics
POL 4464	3	Arab-Israeli Conflict

POL 4465	3	Politics of the Developing World
POL 4466	3	Middle Eastern Politics
POL 4467	3	Asian Politics
POL 4468	3	Russian Politics
POL 4470	3	European Politics
POL 4474	3	Terrorism and Political Violence
POL 4476	3	Politics of Southeast Asia

INTERDISCIPLINARY MINOR IN FORENSIC SCIENCE

(18 Hours)

REQUIRED COURSES (9 HOURS)

FSC 2201	3	Introduction to Forensic Science
FSC 3301	3	Ethics in Forensic Science
FSC 3304	3	Forensic Evidence

An additional 9 hours should be selected from the list of recommended electives below:

ANT 3333	3	Human Osteology
ANT 4435	3	Forensic Skeletal Methods
BIO 3320	3	Genetics
BIO L320	1	Genetics Lab
BIO 4405	4	Entomology
BIO 4431	3	Human Genomics and Bioinformatics
BIO 4482	3	Molecular Biology
BIO L482	1	Molecular Biology Lab
CJ 3380	3	Digital Forensics I
FSC 3302	3	Forensic Science in Media
FSC 3303	3	Death Investigation
FSC 3305	3	Criminalistics
PSY 3304	3	Abnormal Psychology
PSY 3322	3	Abnormal Child Psychology
PSY 3360	3	Forensic Psychology
SOC 3355	3	Death and Dying

Or other courses approved by the Forensic Science Advisor.

INTERNATIONAL RELATIONS MINOR

(18 HOURS)

REQUIRED COURSE (9 HOURS)

POL 3351	3	International Relations
POL 4410	3	International Political Economy
POL 4433	3	Comparative Government

Select three hours from the following courses (9 Hours)

POL 3300	3	Foundations of Political Science
POL 4405	3	Political Behavior and Public Opinion
POL 4415	3	International Conflict
POL 4424	3	Contemporary American Foreign Policy
POL 4432	3	Comparative Public Policy
POL 4445	3	Inter-American Relations
POL 4450	3	Latin American Politics
POL 4452	3	International Law
POL 4460	3	Intercultural Relations
POL 4464	3	Arab-Israeli Conflict
POL 4465	3	Politics of the Developing World
POL 4466	3	Middle Eastern Politics
POL 4467	3	Asian Politics
POL 4468	3	Russian Politics
POL 4470	3	European Politics
POL 4474	3	Terrorism and Political Violence
POL 4476	3	Politics of Southeast Asia

LEADERSHIP DEVELOPMENT MINOR

(18 Hours)

REQUIRED COURSES

LDR 1100	3	Introduction to Leadership
LDR 2200	3	Tools for Leaders
LDR 3300	3	Leadership Theory
LDR 4400	3	Leadership Seminar

Select at least an additional six hours from the following:

AS 3312	3	Leading People and Effective Communication I
AS 3313	3	Leading People and Effective Communication II
COM 3345	3	Group Discussion and Leadership
LDR 2210	3	Leadership and Interpersonal Skills
LDR 2220	3	Contemporary Issues in Leadership
LDR 3320	3	Great Leaders
LDR 4444	3-6	Leadership Internship
LDR 4450	1-6	Leadership Service Learning
LDR 4493	1-3	Guided Independent Study **OR** LDR 4494 Guided Independent Study
MGT 3300	3	Principles of Management
MSL 2201	2	Individual Leadership Studies
MSL 2202	2	Leadership and Teamwork
MSL 2204	1	Military Basic Leadership Lab II-A
PHI 2204	3	Ethics and the Modern World
POL 3340	3	U.S. Government - Executive Branch

LEGAL STUDIES MINOR

(18 Hours)

REQUIRED COURSES (9 HOURS)

LGL 2200	3	Introduction to Legal Studies
LGL 3300	3	Legal Research and Writing
LGL 4400	3	Seminar in Legal Studies

Select 9 hours of electives from the following courses:

CJ 2241	3	Survey of Criminal Law and Constitutional Criminal Procedure
CJ 4447	3	Current Issues in Legal Systems Operation and Administration
CJ 4411	3	Evidence
LAW 2221	3	Legal Environment of Business
LAW 4420	3	Administrative Law
LAW 4465	3	Special Topics in Law
POL 3342	3	U.S. Government - Judicial Branch
POL 4420	3	Constitutional Law
POL 4472	3	Administrative Law

MILITARY OPERATIONS MINOR

(18 Hours)

Military electives may be taken from credit recommended by the American Council on Education (ACE) or military credit from regionally accredited institutions. Students transferring in less than 18 credit hours in non-duplicated ACE recommended military credits may take additional advisor approved, upper-level courses as needed. Any excess military credit may go towards a second minor in Military Studies under the Bachelor of Interdisciplinary Studies Program, towards Option II of the BAS-Resource Technology Management Program, or towards the student's free electives requirement if needed.

MILITARY SCIENCE LEADERSHIP MINOR

(19-22 Hours)

COM 2241 3 Fundamentals of Speech

Area IV Requirements

Select one 2000 level 3-hour course from one of the following areas: Psychology, Sociology, or Political Science.

REQUIRED COURSES

MSL 3301 3 Leadership and Problem Solving
MSL 3302 3 Leadership and Ethics
MSL 3304 1 Military Advanced Leadership Lab III-A
MSL 3305 1 Military Advanced Leadership Lab III-B
MSL 4401 3 Leadership and Management
MSL 4402 3 Officership
MSL 4404 1 Military Advanced Leadership Lab IV-A
MSL 4405 1 Military Advanced Leadership Lab IV-B
MSL 4497 1 Senior Seminar in Military Science

Select a three-hour military history course approved by the professor of military science.

MILITARY STUDIES MINOR

(18 Hours)

Military electives may be taken from credit recommended by the American Council on Education (ACE) or military credit from regionally accredited institutions. Military Studies minors may only be declared as a second minor within the Bachelor of Interdisciplinary Studies degree program and follow the same guidelines as the Military Operations minor. Any excess military credit may go towards the student's free electives requirement if needed.

SPEECH LANGUAGE PATHOLOGY MINOR

(21 Hours)

REQUIRED COURSES

SLP 3310 3 Language Development
SLP 3320 3 Language Disorders Across the Lifespan
SLP 3355 3 Phonetics
SLP 3340 3 Speech Sound Development and Disorders
SLP 3350 3 Speech and Hearing Science
SLP 3360 3 Introduction to Audiology
SLP 3370 3 Anatomy and Physiology of Speech and Hearing

SUBSTANCE ADDICTION EDUCATION MINOR

(18 Hours)

REQUIRED COURSES

PSY 4402 3 Principles of Counseling
PSY 4420 3 Physiological Dynamics of Alcohol and Other Drugs
PSY 4430 3 Intro to Substance Abuse Counseling
PSY 4434 3 Drug Education, Prevention and Intervention
PSY 4435 3 Treatment of Addictive Family Diseases
PSY 4436 3 Treatment Theories and Modalities of Addictive Diseases

DIGITAL FORENSICS CERTIFICATE

(18 Hours)

REQUIRED COURSES

Select 18 hours from the following:

CJ 4472 3 Cyber Crime
CJ 4475 3 Seminar in Cyber Security
CJ 4480 3 Digital Forensics II
CJ 4481 3 Operating and File System Forensics
CJ 4482 3 Digital Evidence Practicum
CJ 3382 3 Social Media Investigation
CJ 3380 3 Digital Forensics I

ACCELERATED LAW CURRICULUM

(58 Hours)

1. Students interested in the Accelerated Law Curriculum must complete the resident course requirements for a major in Anthropology, Criminal Justice, History, Political Science, Social Science, or Sociology by the end of the third year of study at Troy University (or semester prior to attending partnered institution)
2. Students interested in the Accelerated Law Curriculum must meet the admission requirements and be accepted to a partnered institution. Students must take the LSAT exam as part of the admissions requirement. Participating in the Accelerated Law Curriculum does not guarantee acceptance into a law program.
3. Students must successfully complete 30 semester hours of law courses outlined by the partnered institution in order to receive Troy University credit. Those 30 semester hours will be transferred into the chosen major electives, minor electives, and Area V General Studies electives.
4. In addition to completing the major requirements, students must minor in Legal Studies
5. Students will receive both a faculty adviser for their declared major as well as an adviser for the Accelerated Law program.
6. For the Legal Studies Minor (18 hours)- Students must complete the following classes at Troy University:

   LGL 2200 3 Introduction to Legal Studies
   LGL 3300 3 Legal Research and Writing
   LGL 4400 3 Seminar in Legal Studies

   The following 9 hours will be completed at the partnered law school and transferred to Troy University to complete the minor:

   Mississippi College of Law

   LAW 502 3 Torts
   LAW 582 2 Legal Analysis and Communication I
   LAW 580 1 Legal Research I
   LAW 583 2 Legal Analysis and Communication II
   LAW 581 1 Legal Research II

   Cumberland School of Law, Samford University

   Lawyering and Legal Reasoning I (3 HR)
   Lawyering and Legal Reasoning II (3 HR)
   Evidence (3 HR)

   Jones School of Law, Faulkner University

   Legal Reasoning, Writing, & Research (3 HR)

Foundations of Law (3 HR)
Foundations of Legal Prof. (1 HR)
Legal Analysis and Persuasion (2 HR)

7. Upon successful completion of the designated 30 semester hours of courses at the partnered institution, students may be awarded a Bachelor's Degree in one of the designated majors with a minor in Legal Studies. Please see specific requirements for your chosen major. The 30 semester hours of courses from the partnered institution will be credited as follows:

Anthropology Major:

- 9 hours will be applied to the Legal Studies Minor
- 9 hours will be applied to the Anthropology Major
  - Civil Procedure I (3 HR)
  - Civil Procedure II (3 HR)
  - Criminal Law (3 HR)
- 12 hours will be applied to Area V General Studies

Criminal Justice Major:

- 9 hours will be applied to the Legal Studies Minor
- 6 hours will be applied to the Criminal Justice Major
  - Civil Procedure I (3 HR)
  - Civil Procedure II (3 HR)
- 15 hours will be applied to Area V General Studies

History Major:

- 9 hours will be applied to the Legal Studies Minor
- 9 hours will be applied to the History Major
  - Civil Procedure I (3 HR)
  - Civil Procedure II (3 HR)
  - Criminal Law (3 HR)
- 12 hours will be applied to Area V General Studies

Political Science Major:

- 9 hours will be applied to the Legal Studies Minor
- 6 hours will be applied to the Political Science Major
  - Civil Procedure I (3 HR)
  - Civil Procedure II (3 HR)
- 15 hours will be applied to Area V General Studies

Social Science Major:

- 9 hours will be applied to the Legal Studies Minor
- 6 hours will be applied to the Social Science Major
  - Civil Procedure I (3 HR)
  - Civil Procedure II (3 HR)
- 15 hours will be applied to Area V General Studies

Sociology Major:

- 9 hours will be applied to the Legal Studies Minor
- 6 hours will be applied to the Sociology Major
  - Civil Procedure I (3 HR)
  - Civil Procedure II (3 HR)
- 15 hours will be applied to Area V General Studies

COLLEGE OF HEALTH SCIECES

The College of Health Sciences was formed in 1994 in order to provide quality education for professional practice in a variety of areas associated with health and human services. The college aspires to the highest standards of educational excellence, blending a professional perspective with a liberal arts and science foundation.

Within the College of Health Sciences are the School of Nursing, the School of Social Work and Human Services, and the Department of Kinesiology and Health Promotion.

The college is committed to meeting the challenges of the next decade; hence, it emphasizes quality teaching and values scholarly activity. The college is committed to the development of its students into knowledgeable, caring, responsive and self-directed individuals able to meet the health and human caring needs of a diverse and complex society through change, advocacy and leadership within their communities.

As part of ongoing planning and evaluation, the College of Health Sciences regularly evaluates student learning outcomes for each degree program.

SCHOOL OF SOCIAL WORK AND HUMAN SERVICES

CASE MANAGEMENT MINOR

A minor in Case Management is offered to students who desire a basic understanding of the process and foundational skill sets necessary to provide case management services in a variety of settings.

HUMAN SERVICES MAJOR

The purpose of the human services major is twofold: (1) to prepare the graduate for entry level positions in a myriad of human services delivery systems where specialized training is not required, and (2) to prepare students for graduate education. The curriculum is designed to provide the student with an understanding of human behavior within the context of the social environment, an understanding of social and human service delivery systems, and basic skills in effective communication with client systems and basic skills in the development of intervention strategies to resolve interpersonal and social problems. A 240-clock-hour practicum is required.

HUMAN SERVICES MINOR

A minor in human services is offered to students who desire basic understanding of the human services delivery system.

SOCIAL WORK MAJOR

The social work program is accredited by the Council on Social Work Accreditation and program graduates are eligible to sit for social work licensure examination. Social work licensure is required in the state of Alabama for those in the practice of social work. The principle educational objective of the social work program is the preparation of graduates for beginning level generalist social work practice. The curriculum is designed to provide the beginning-level practitioner an ability to apply an eclectic knowledge base guided by professional values; to use a wide range of intervention skills to target any-sized client system (micro to macro levels) while employing a planned change process directed toward client empowerment; to work effectively, under supervision, within social service delivery organizational structures while employing a wide range of professional roles. A practicum is required, with a minimum of 400 clock hours.

DEPARTMENT OF KINESIOLOGY AND HEALTH PROMOTION

One of the oldest departments on campus, The Department Kinesiology and Health Promotion consists of five undergraduate degree options and boasts more than 1,000 majors in the department. These degree options include Coaching, Exercise Physiology, Interprofessional Health Sciences, Nutrition, and Physical Education.

COACHING

Do you have a passion for helping student-athletes reach their full potential while coaching the sport you love? With Troy University's Bachelor of Science in Sport Coaching, you can prepare for a career of coaching student athletes at a variety of levels, making a lasting impact on future generations. Troy's Sport Coaching bachelor's degree is offered on the Troy campus blended format and 100% online to allow for the ultimate flexibility for students wishing to be employed full-time while completing this degree.

This curriculum will train you to make a difference in the lives of student athletes while furthering your knowledge in nutrition, leadership, psychology, health, fitness, weight training, wellness, ethics, statistics, specific sports coaching fields, and sports officiating. This NCACE accredited program will lead to National Federation of State High School Associations (NFHS) Interscholastic Coaching Certifications. With the strong curriculum and certifications, students are fully prepared to immediately enter the coaching field or pursue a graduate degree in coaching and related fields. Earning your bachelor's degree in sports coaching from TROY means learning alongside qualified faculty with academic and professional experience. Our faculty hold doctoral degrees in kinesiology, sports management, physical education and other sports-related fields. Additionally, our sports coaching faculty have experience as collegiate or professional athletes, athletic trainers, physical education instructors and high school coaches.

With a degree in TROY's Bachelor of Science in Sport Coaching, you are ready to elevate your career to new heights. Whether your goal is to obtain a career in professional sports, collegiate sports, K-12 private school, recreational sports, or within a club sports setting, this degree fully prepares you for all avenues. Upon completion of this degree, those wishing to further their education will also be prepared to begin Troy University's Master of Science-Kinesiology - Coaching program.

EXERCISE PHYSIOLOGY

If a career in physical therapy, occupational therapy, clinical exercise testing and prescription, cardiopulmonary rehabilitation, health-fitness/wellness, strength and conditioning or nutrition is in your future, a Bachelor of Science in Exercise Physiology is a perfect fit. This competitive program includes concentrations in pre-health professions, health and wellness, or nutrition, and incorporates coursework from five academic departments spread across two colleges.

With an emphasis on preparation for entry into graduate health profession schools in the fields of physical therapy, occupational therapy, and physician assistant, you will be prepared to successfully enter into graduate health profession schools nationwide. Upon completion of the program, you will also be prepared to sit for certification examinations offered through the American College of Sports Medicine, National Strength and Conditioning Association, and other organizations in the related fields of health and fitness, clinical exercise testing, and strength and conditioning.

INTERPROFESSIONAL HEALTH SCIENCE

Troy University's Bachelor of Science in Interprofessional Health Sciences (IPHS) degree is for students who have a passion for helping people. The IPHS program, which is offered in class, online and blended, is a customizable degree designed for students who want to pursue a career in healthcare or a healthcare-related field such as fitness or wellness. the IPHS degree from TROY consists of core classes and the selection of three minors that gives the opportunity for hands-on experience, collaboration, research and interaction with a variety of individuals and groups to prepare them for career fields or jobs such as case management, health promotion, hospital administrator, medical/pharmaceutical sales, crisis intervention, health and wellness coach, etc.

According to the U.S. Bureau of Labor Statistics, the overall employment in healthcare occupations is projected to grow 13% from 2021 to 2031, much faster than the average for all occupations. This increase is expected to result in about 2 million new jobs over the decade.

The IPHS degree from TROY provides a customizable program that allows students to focus on the career path of their choosing to fulfill their goal of helping others.

NUTRITION

If you have an interest in food and health and are eager to dive into a career helping others with their nutrition goals, TROY's Bachelor of Science in Nutrition may be the right path for you. Whether you desire to prepare for a graduate program in dietetics to become a Registered Dietitian, or go straight into your career, this degree prepares you for a rewarding future in nutrition. Students have a choice of Troy Campus-blended delivery or taking this degree 100% Online, allowing for maximum flexibility. If the program sequence is followed, including taking classes in the summer, a student could complete this degree in three years, then apply to a graduate program for dietetics, which is typically a two-year program. This meaning, from day one in TROY's Bachelor of Science in Nutrition program to completion of a master's in dietetics and the Registered Dietitian exam, you could be a Registered Dietitian in five years. All courses provide students the opportunity to interact with nutrition experts, including guest lecturers and virtual presentations for online students. Each course utilizes a variety of learning opportunities, including hands-on experiences in food service operations, lectures on the fundamentals of assessing community health needs, design and facilitating of a community nutrition project and completing nutrition assessment labs and nutrition therapy case studies. Students will also be able to obtain their Serv-Safe certification and complete an internship class in which they can gain extensive experience in clinical, sport or public health nutrition and food service.

Similar to academic preparation for Physical Therapists and Occupational Therapists, the Bachelor of Science in Nutrition prepares you to apply to graduate schools in order to become eligible to sit for the national credentialing exam for Registered Dietitians and Nutritionists.

However, you do not have to obtain another degree to start your career in nutrition. TROY's Bachelor of Science in Nutrition prepares you to take the Certified Dietary Manager's exam and work as a food service director within the corporate world or in medical facilities. Additionally, students are fully equipped for a career as a food safety auditor, corporate wellness coordinator, health educator, nutrition educator, community health worker or public health nutritionist. The demand for Registered Dietitians and Certified Dietary Managers is high and is expected to continue to grow at a more rapid pace in the next ten years. According to the U.S. Bureau of Labor Statistics (BLS), the job outlook for all foodservice managers is extremely positive, with about 39,600 openings projected each year, on average, through 2032.

If a rewarding career in nutrition sounds appealing to you, explore Troy University's Bachelor of Science in Nutrition. It can open the door to a variety of careers that allow you to positively impact the health of individuals and communities. TROY's nutrition degree sets you up for success - and a higher nutrition salary if you decide to become a registered dietitian.

PHYSICAL EDUCATION

If you are passionate about teaching others skills necessary to participate in sport and physical activity for life, the Bachelor of Science in Physical Education (Teaching Certification) at Troy is for you. This program prepares preschool - 12th grade teachers to impact students in team, individual, and lifetime sport skills in beyond school years. At Troy University our physical education program is based on three beliefs, (1) teach students the proper skills necessary to participate in a variety of sport, individual, and lifetime activities, (2) provide opportunities for students to learn and participate in a wide variety of sport, individual and lifetime activities, (3) by doing so students become engage in lifetime physical activities that promote a healthy active lifestyle.

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SCHOOL OF NURSING

The School of Nursing programs are designed to develop expertise necessary for the practice of nursing in a complex, changing health care system. Faculty are well qualified.

Students are accepted for admission to the ASN (Montgomery Campus) and BSN (Troy and Dothan Campus) programs in the spring and fall semesters. The ASN degree may be completed in five semesters. The BSN degree may be completed in nine semesters. Registered nurses are eligible for advanced placement in the online RN Mobility track of the BSN Program. For information related to progression from RN Mobility track to the Family Nurse Practitioner or Healthcare Informatics and Nursing Leadership tracks in the MSN Program or the DNP program, consult the Graduate Catalog. Admission to the School of Nursing is selective, based on established criteria for each program.

All students must maintain current CPR certification, annual proof of TB testing, and proof of annual physical examination when enrolled in clinical nursing courses. Students are responsible for their own medical care if needed in the clinical setting and must have health insurance. Students should abide by Centers for Disease Control, HIPAA, and OSHA guidelines. Students must present titer reports for Hepatitis B, measles, mumps, rubella, and varicella zoster. Drug screening and criminal background information are required before students may attend clinical course practicums. Students may have additional requirements based on specific facility policies. Standardized achievement tests are required at various points in the undergraduate programs of learning.

Students in the School of Nursing must comply with legal, moral and legislative standards in accordance with the Alabama Board of Nursing Administrative Code. A student may be denied permission to write the licensing examination to become a registered nurse (RN) if he/she has been convicted of a felony.

Challenge examinations are available for various courses for students who meet the eligibility criteria. No nursing course may be audited before it is taken for credit.

Many nursing courses have additional fees. These fees are printed in the schedule of classes.

Admission is competitive. All students who meet minimum requirements may not be admitted.

CASE MANAGEMENT MINOR

(18 Hours)

Students with Human Service Major

HS 2250	3	Fundamentals of Case Management *(must be taken first)*
NSG 2230	3	Advanced Medical Terminology
SWK 3302	3	Social Service Resources
SWK 3303	3	Crisis Intervention

Students must take 2 (3 hour) elective (HS/SWK) or 3000/4000 level course with approval (6sh)

Students without Human Service Major

HS 2230	3	Survey of Human Services
HS 2240	3	Ethics in the Helping Profession
HS 2250	3	Fundamentals of Case Management
HS 3375	3	Practicing Cultural Responsiveness
HS 3370	3	Professional Communication Skills in the Helping Profession(al)
SWK 3302	3	Social Service Resources

EXERCISE PHYSIOLOGY PROGRAM

(123 Hours)

This degree has specialized general studies requirements (see areas III-V). Students should consult with an Exercise Physiology Program adviser along with this catalog. Students enrolled in the Exercise Physiology Program should select an area of concentration from the following: Wellness and Fitness, Nutrition, or Pre-Health Professions. Students considering applying to a graduate health professions school (e.g., PT, OT, PA) assume responsibility for determining appropriate prerequisite courses required for admission.

Students must achieve a C or better in all courses contained in Area III, Area V, program core, and concentrations. If a student earns a D or F in any of these courses the course must be repeated.

All Exercise Physiology Program students must present proof of professional liability insurance in order to enroll in KHP 4498 Internship in Exercise Science. Professional liability insurance may be purchased through the College of Health and Human Services, and must be maintained in force through completion of the internship.

Area III (11 Hours)

BIO 1100	3	Principles of Biology
BIO L100	1	Principles of Biology Lab
MTH 1112	3	Pre-Calculus Algebra †
CHM 1142	3	General Chemistry I
CHM L142	1	General Chemistry I Lab

Note: †Students considering applying to a graduate health professions school (e.g., PT, OT, PA) should take MTH 1114 - Pre-Calculus Trigonometry

Area IV (12 Hours)
†For students with a concentration in Wellness/Fitness or Nutrition select nine (9) hours:

ANT 2200	3	Anthropology
ECO 2251	3	Principles of Macroeconomics
ECO 2252	3	Principles of Microeconomics
GEO 2210	3	World Regional Geography
HIS 1101	3	Western Civilization I or placement in HIS 1103 Honors Western Civilization I
HIS 1102	3	Western Civilization II or placement in HIS 1104 - Honors Western Civilization II
HIS 1111	3	U.S. to 1877 or placement in HIS 1113 Honors U.S. to 1877
HIS 1112	3	U.S. since 1877 or placement in HIS 1114

		Honors U.S. since 1877
HIS 1122	3	World History to 1500
HIS 1123	3	World History from 1500
POL 2260	3	World Politics
POL 2241	3	American National Government or placement in POL 2240 Honors American National Government
PSY 2200	3	Introduction to Psychology
PSY 2210	3	Developmental Psychology
SOC 2275	3	Introduction to Sociology

For students with a concentration in Pre-Health Professions take the following nine (9) hours:

PSY 2200	3	Introduction to Psychology
PSY 2210	3	Developmental Psychology
SOC 2275	3	Introduction to Sociology

Note: †Students applying to a graduate health professions school (e.g.PT, OT, PA) may also need to take ANT 2200 - Anthropology

Area V (22 Hours)

BIO 2220	3	Principles of Cell Biology
KHP 1142	1	Weight Training
KHP 2202	2	First Aid and Safety and CPR
KHP 2211	3	Human Nutrition
KHP 2242	1	Intermediate Weight Training
TROY 1101	1	The University Experience
LDR 1100	3	Introduction to Leadership

For students with a concentration in Wellness and Fitness take the following eight (8) hours:

KHP 3345 - Medical Terminology **1-2 Credit Hour(s)**
KHP 3391 - Testing & Statistical Interpretation **3 Credit Hour(s)**
Take one of the following three (3) hours and one (1) hour course combinations:
BIO 1101 - Organismal Biology **3 Credit Hour(s)**
BIO L101 - Organismal Biology Lab **1 Credit Hour(s)**
OR
KHP 2240 - Personal and Community Health **3 Credit Hour(s)**
KHP 2200 - Health Concepts **1 Credit Hour(s)**

For students with a concentration in Pre-Health Professions take the following eight (8) hours:

KHP 3345 - Medical Terminology **1-2 Credit Hour(s)**
KHP 3394 - Lifting Techniques for Conditioning and Rehabilitative Exercise **1 Credit Hour(s)**
STAT 2210 - Introductory Statistics **3 Credit Hour(s)**
Select one (1) of the following:
PSY 3304 - Abnormal Psychology **3 Credit Hour(s)**
PSY 4421 - Physiological Psychology **3 Credit Hour(s)**

PROGRAM CORE REQUIREMENTS (40 HOURS)

BIO 3347	3	Human Anatomy and Physiology I
BIO L347	1	Human Anatomy and Physiology I Lab
BIO 3348	3	Human Anatomy and Physiology II
BIO L348	1	Human Anatomy and Physiology II Lab
KHP 3352	3	Kinesiology and Efficiency of Human Movement
KHP 4425	3	Pathophysiology
KHP 4459	3	Sport and Exercise Nutrition
KHP 4474	3	Exercise Physiology
KHP L474	1	Exercise Physiology Lab
KHP 4475	3	Exercise Testing and Prescription
KHP 4476	2	Laboratory Practicum in Exercise Performance
KHP 4488	3	Cardiovascular Physiology
KHP 4495	3	Advanced Exercise Physiology
KHP 4496	3	Biomechanics
KHP L496	1	Biomechanics Lab
KHP 4497	1	Senior Seminar in Exercise Science
KHP 4498	3	Internship in Exercise Science

†Note: †It is the responsibility of the student to obtain a sufficient number of observation hours required to seek certification (e.g., ACSM Clinical Exercise Specialist) or gain entry into a graduate health professional school (e.g., PT, OT, PA).

Select One Exercise Science Program Concentration:

Wellness and Fitness Concentration (20 Hours)

KHP 3350	3	Psychology of Wellness and Performance
KHP 3360	3	Physiological Principles of Body Systems
KHP 3394	1	Lifting Techniques for Conditioning and Rehabilitative Exercise
KHP 3395	2	Care and Prevention of Athletic Injury
KHP 4405	3	Physical Activity and Disease Prevention
KHP 4460	3	Principles of Strength and Conditioning
KHP L460	1	Principles of Strength and Conditioning Lab
KHP 4487	2	Special Topics in Exercise Performance

Select two (2) hours of advisor approved electives.

Pre-Health Professions Concentration (20 Hours)

BIO 3372	3	Microbiology
BIO L372	1	Microbiology Lab
CHM 1143	3	General Chemistry II
CHM L143	1	General Chemistry II Lab
PHY 2252	3	General Physics I
PHY L252	1	Physics I Lab
PHY 2253	3	General Physics II
PHY L253	1	Physics II Lab

Take one of the following three (3) hours and one (1) hour course combinations:

BIO 1101	3	Organismal Biology
BIO L101	1	Organismal Biology Lab
OR		
KHP 3360	3	Physiological Principles of Body Systems
KHP 2200	1	Health Concepts
OR		
KHP 4460	3	Principles of Strength and Conditioning
KHP L460	1	Principles of Strength and Conditioning Lab

EXERCISE PHYSIOLOGY MINOR

(18 Hours)

Required Courses

KHP 3352	3	Kinesiology and Efficiency of Human Movement
KHP 4459	3	Sport and Exercise Nutrition
KHP 4474	3	Exercise Physiology
KHP L474	1	Exercise Physiology Lab
KHP 4475	3	Exercise Testing and Prescription
KHP 4488	3	Cardiovascular Physiology
KHP 4476	2	Laboratory Practicum in Exercise Performance

HEALTH PROMOTION MINOR

(18 Hours)

Required Courses

KHP 4427	3	Health and Fitness Education
KHP 4442	3	Health Education
HSTM 2210	3	Event Management
HS 2260	3	Introduction to Non-Profit Organizations

KHP 3341 3 Recreation Programming
KHP 4405 3 Physical Activity and Disease Prevention

HUMAN SERVICES MAJOR

(36 Hours)

Required Courses

HS 2230 3 Survey of Human Services
HS 2240 3 Ethics in the Helping Profession
HS 3310 3 Human Behavior in the Social Environment I
HS 3375 3 Practicing Cultural Responsiveness
HS 3370 3 Professional Communication Skills in the Helping Profession(al)
HS 3399 3 Pre-Practicum Seminar
RHB 3320 3 Human Behavior in the Social Environment II **OR** SWK 3320 Human Behavior in the Social Environment II

Choose 6 hours from the following:

HS 4400 3 Human Service Practicum I
AND
HS 4410 3 Human Service Practicum II
OR
HS 4420 6 Human Service Practicum III

Major Electives

Select 9 additional hours in HS, RHB, or SWK courses.

HUMAN SERVICES MINOR

(18 Hours)

Required Courses

HS 3310 3 Human Behavior in the Social Environment I
HS 3370 3 Professional Communication Skills in the Helping Profession(al)
SWK 3320 3 Human Behavior in the Social Environment II
HS 3375 3 Practicing Cultural Responsiveness **OR** SWK 3375 Practicing Cultural Competency
HS 2230 3 Survey of Human Services **OR** HS 2240 Ethics in the Helping Profession

Select three (3) additional hours in HS, RHB, or SWK courses

INTERPROFESSIONAL HEALTH SCIENCES

(120 Hours)

SPECIALIZED GENERAL STUDIES:

Area III

MTH 1112 3 Pre-Calculus Algebra

Please note: There may be specialized general studies science/lab combinations for Nursing and/or KHP courses

Area V

TROY 1101 1 The University Experience
LDR 1100 3 Introduction to Leadership
KHP 3370 3 Occupational Health Sciences

Select an additional 12 hours of requirements specified by your advisor

MAJOR REQUIREMENTS (6 HOURS)

KHP 221 3 Human Nutrition
KHP 4484 3 Internship in Interprofessional Health Sciences (IPHS)

MINORS

Select three minors within the College of Health Sciences **OR** *two minors within the College of Health Sciences and one outside the college from the options for minors listed below or an advisor approved minor:*

Select from the following College of Health Sciences minors:

Case Management Minor (18 Hours)

HS 2250 3 Fundamentals of Case Management
HS 2260 3 Introduction to Non-Profit Organizations
HS 3325 3 Wellness Across the Lifespan I
HS 3326 3 Wellness Across the Lifespan II
SWK 3390 3 Social Work with Individuals and Families
SWK 4471 3 Social Work with Groups

Coaching Minor (18 Hours)

Required Courses

KHP 2240 3 Personal and Community Health
KHP 2251 3 Instructional and Theoretical Practices in Physical Education
KHP 2260 2 Applied Fitness Concepts
KHP 4435 3 Current Issues in Athletics
KHP 4400 3 Sports Officiating and Programs in Intramurals

Select two of the following Theory and Techniques of Coaching Courses (4 Hours):

KHP 2276 2 Theory and Techniques of Coaching Softball
KHP 2277 2 Theory and Techniques of Coaching Football
KHP 2278 2 Theory and Techniques of Coaching Soccer
KHP 2279 2 Theory and Techniques of Coaching Volleyball
KHP 2281 2 Theory and Techniques of Coaching Baseball
KHP 2282 2 Theory and Techniques of Coaching Basketball

Exercise Physiology Minor (18 Hours)

KHP 3352 3 Kinesiology and Efficiency of Human Movement
KHP 4459 3 Sport and Exercise Nutrition
KHP 4474 3 Exercise Physiology
KHP L474 1 Exercise Physiology Lab
KHP 4475 3 Exercise Testing and Prescription
KHP 4488 3 Cardiovascular Physiology
KHP 4476 2 Laboratory Practicum in Exercise Performance

Foundations of Health Sciences Minor (18 Hours)

NSG 2230 3 Advanced Medical Terminology
NSG 2285 3 Perspectives of Aging
NSG 3309 2 Health Assessment
NSG 3310 1 Health Assessment Practicum
NSG 3340 3 Ethics in Nursing
SWK 3304 3 Social Work Practice in Health Settings
NSG 3315 3 Pathophysiology **OR** KHP 4425 Pathophysiology

Health Promotion Minor (18 Hours)

KHP 4427 3 Health and Fitness Education
KHP 4442 3 Health Education
HSTM 2210 3 Event Management
SWK 2260 3 Introduction to Non-Profit Organizations
KHP 3341 3 Recreation Programming

KHP 4405	3	Physical Activity and Disease Prevention

Nutrition Minor (18 Hours)

This minor is only for students in the Interprofessional Health Sciences program.

KHP 3310	3	Introduction to Food Science
KHP L310	1	Introduction to Food Science Lab
KHP 3311	3	Nutritional Assessment
KHP 3315	2	Complementary and Alternative Therapies
KHP 3316	3	Community Nutrition
KHP 3350	3	Psychology of Wellness and Performance
KHP 4458	3	Lifecycle Nutrition

Sports Medicine Minor (18 Hours)

The Sports Medicine Minor is only available to students who have been accepted into the Troy MSAT Program.

AT 4404	2-3	Introduction to Clinical Experience
AT 4407	2	Health Care Management & Quality Improvement
AT 4415	2	Foundations of Athletic Training
AT L415	1	Foundations of Athletic Training Lab
AT 4411	4	Examination & Therapeutic Management I
AT 4409	1	Professional Practice in Athletic Training
AT 4420	3	Research & Analysis in Sports Medicine
KHP 4429	3	Applied Kinesiology

Approved options for minors outside the College of Health Sciences *OR* advisor approved minor:

College of Science and Engineering

- Medical Studies Minor

Sorrell College of Business

- Entrepreneurship Minor

College of Arts and Humanities

- Communication Studies Minor
- Strategic Communication in Public Relations and Advertising Minor

College of Education and Behavioral Sciences

- Inter-Cultural Competency Minor
- Leadership Development Minor
- Psychology Minor
- Rehabilitation and Disabilities Studies Minor
- Substance Addiction Education Minor

NURSING, ASN

(70 Hours)

ADMISSION

Admission to the ASN program is competitive. Meeting minimal admission criteria does not guarantee acceptance. The admission process is completed in two steps. Students wishing to major in nursing at the associate level must either be unconditionally admitted or have completed all developmental coursework. Students not meeting this requirement will need to declare Applied Health Sciences as a major until all developmental course work has been successfully completed. Once requirements are met, then students can declare a major of nursing.

Students are admitted into step one of the ASN Program year-round. The Admissions Committee reviews all records of qualified applicants.

STEP ONE:
For admission to the ASN program, the student must:

1. Submit application for admission to undergraduate studies with $30 application fee;
2. Submit **Official** high school transcript or the equivalent (GED). A high school transcript or GED is not required for students transferring in a minimum 12 semester hours of college credit;
3. Submit **Official** transcripts from all colleges and universities attended;
4. Meet all unconditional admission requirements for as listed in the Troy University undergraduate catalog and; have a minimum grade point average GPA of at least 2.75/4.0 scale on all college work attempted at the undergraduate level and a minimum grade point average of at least 2.0/4.0 scale on all college work attempted at Troy University at the undergraduate level. If less than 12 HR of college work has been attempted, you must have a minimum 2.75/4.0 High School GPA or a GED with a score of 500; and
5. Meet core performance standards required for duties of the nursing profession (copy of standards available upon request).

STEP TWO:

1. Apply for admittance into the clinical nursing sequence. The deadline for filing an application and all required admission documentation is May 30 for fall admission and October 30 for spring admission.
2. The ASN program will admit students to either the day or evening option each semester. Students who are admitted to one option will not be allowed to transfer into a different option.
3. Admission is based upon a point system comprised of overall GPA and grades in required courses
    a. Student will lose points for courses that were dropped or failed.
    b. Any student that fails a first-semester nursing course after being admitted to the clinical sequence will have to return to the "selection group" and attempt to be reselected based on the points system in order to repeat a course the following semester.

NOTE: *If a student is attempting to transfer credit for nursing courses from another accredited school of nursing, a letter from the dean/director of that school must be submitted stating that the student was eligible for continuation in the nursing program. If the student was not eligible for continuation in the program, the student must take all required Troy University ASN nursing courses (i.e., no nursing courses will be transferred).*

PROGRESSION

a. Student must maintain an overall Troy University GPA of at least 2.0 on 4.0 scale while enrolled in nursing courses.
b. Student must earn a grade of C (74%) or better in each required course.
c. Student will be able to repeat a nursing course only one time to achieve a grade of C or better.
d. Student may repeat only one ASN Program nursing course (with the exception of NSG 2204 or NSG 2213); therefore, a second D or F in any ASN nursing course (with the exception of NSG 2204, or NSG 2213) will result in automatic dismissal from the Program.
e. Student must make 90% or higher on a dosage and solutions calculation examination in NSG 1151 to progress in the program.

f. Student must complete the program within four years from the date of initial enrollment in the first clinical nursing course (NSG 1131) to remain in the program. Whether a student drops, fails or withdraws from NSG 1131 the student can only re-enroll once more. If a student drops, fails, or withdraws a second time, the student will be dismissed from the ASN program.

DEGREE

Upon satisfactory completion of the program, the student is awarded the Associate of Science in Nursing degree and may then apply to the Board of Nursing to write the licensing examination to become a registered nurse (RN).

LOCATION

The ASN program is located at 340 Montgomery Street, Montgomery, AL, 36104. The clinical facilities used for student learning experiences are located within an approximate 50-mile radius of Montgomery. Students are responsible for their transportation.

ACCREDITATION

The associate nursing program at Troy University at the Montgomery Campus located in Montgomery, AL is accredited by the:

Accreditation Commission for Education in Nursing (ACEN)
3390 Peachtree Road NE, Suite 1400
Atlanta, GA 30326
(404) 975-5000

The most recent accreditation decision made by the ACEN Board of Commissioners for the associate nursing program is Continuing Accreditation.

View the public information disclosed by the ACEN regarding this program at https://www.acenursing.org/search-programs.

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area I

ENG 1101	3	Composition and Modern English I

Area II

Select three hours in humanities or fine arts.

Area III

BIO 3347	3	Human Anatomy and Physiology I
BIO L347	1	Human Anatomy and Physiology I Lab
BIO 3372	3	Microbiology
BIO L372	1	Microbiology Lab
MTH 1112	3	Pre-Calculus Algebra
OR		
MTH 1108	4	Enhanced Pre-Calculus Algebra

Area IV

PSY 2200	3	Introduction to Psychology
PSY 2210	3	Developmental Psychology

Area V

TROY 1101	1	The University Experience

Additional Requirements

BIO 3348	3	Human Anatomy and Physiology II
BIO L348	1	Human Anatomy and Physiology II Lab
NSG 1130	2	Basic Nursing Concepts
NSG 1131	2	Basic Nursing Concepts Practicum
NSG 1135	1	Health Assessment Practicum
NSG 1140	3	Foundations of Adult Health Nursing
NSG 1141	3-6	Foundations of Adult Health Nursing Practicum
NSG 1151	1	Hospital Measurements
NSG 2202	2	Pharmacology
NSG 2213	2	Nutrition
NSG 2255	2	Maternal-Infant Nursing
NSG 2256	2	Maternal-Infant Nursing Practicum
NSG 2265	2	Nursing of Children
NSG 2266	2	Nursing of Children Practicum
NSG 2271	2	Psychosocial Nursing Concepts
NSG 2272	2-4	Psychosocial Nursing Practicum
NSG 2280	4	Advanced Nursing Concepts
NSG 2281	6	Advanced Nursing Practicum
NSG 2282	2	Adult Health Nursing II
NSG 2283	2-4	Adult Health Nursing II Practicum

NURSING, BACHELOR OF SCIENCE (BSN)

(124 Hours)

Students wishing to declare a pre-nursing major at the baccalaureate level must either be unconditionally admitted and/or have completed all developmental coursework and cleared conditional status. Students not meeting these requirements will need to declare Interprofessional Health Science Program as a major until all developmental course work has been successfully completed and/or conditional status has been cleared. Once requirements are met, then students can declare a major of pre-nursing or nursing.

ADMISSION

Admission to the BSN program is competitive. Meeting minimal admission criteria does not guarantee acceptance. For admission to the BSN program, students must

1. have an overall GPA of at least 2.5 on 4.0 scale. (All hours attempted are used in calculation of overall GPA.)
2. file an online application with the School of Nursing. Consult academic adviser or BSN Coordinator. Deadlines for receipt of BSN applications are March 15 for fall semester and Sept. 15 for spring semester. Registered Nurse students enrolling in the RN Mobility track should contact the RN Mobility Assistant Coordinator for admission times.
3. have successfully completed general studies courses. A grade of C or above is required in many of these courses. For additional information, contact the office of the BSN Program Coordinator or visit the School of Nursing website at www.troy.edu.
4. have a current, unencumbered RN license in state of clinical practice if student is entering the RN Mobility course sequence.
5. be able to achieve certain core performance standards required by the duties of the nursing profession.
6. If transferring from another school of nursing, submit a letter from the dean/department chair of that school stating that the student was eligible for continuation in the school. Students transferring from another school of nursing who are not or were not eligible to continue in the nursing program in which they are/were enrolled are not eligible for admission to Troy University's BSN program unless they first completed an associate degree program from a regionally accredited institution and/or a nationally accredited nursing program (ACEN, CCNE, CNEA) and are registered nurses.

PROGRESSION

a. Students are required to have an overall GPA of 2.5 on a 4.0 scale for enrollment in the Clinical Nursing Sequence.
b. Students are required to make a grade of C or better in each nursing course.
c. Students may repeat only one 3300-4400 level nursing course required in the BSN clinical nursing sequence (with the exception of NSG 3315 - Pathophysiology): therefore, a second D or F in any 3300-4400 level nursing course (with the exception of NSG 3315 - Pathophysiology) will result in automatic dismissal from the program.
d. Students who are planning to apply, or have applied, but have not yet begun, the BSN Clinical Nursing Sequence, may repeat only one 3300-4400 level nursing course from the required courses in the clinical nursing sequence; thereafter, a D or F in a 3300-4400 level nursing course will automatically disqualify the student from entering the BSN Clinical Nursing Sequence.
e. Students who drop or fail a theory or clinical course with a co-requisite component must drop the co-requisite course.
f. Comprehensive Exam will be administered in NSG 4417 - Professional Nursing Seminar. This exam will account for 45% of the course grade. (Note: The exam is not required for students in the RN Mobility track.)
g. Students must graduate within 150% of program completion time (7 semesters to be completed in no more than 3 1/2 years) from date of admission to the clinical nursing sequence to date of graduation from BSN program.

Additional policies related to the BSN program may be found on the School of Nursing website. Enrollment may be limited based on available resources.

DEGREE

Upon satisfactory completion of the program, the student is awarded the Bachelor of Science in Nursing degree and may then apply to the Board of Nursing to write the licensing examination to become a registered nurse (RN).

LOCATIONS

The clinical facilities used for student learning experiences in the BSN generic track are located in Troy and surrounding communities. Students are responsible for transportation and the cost of meals. For specialty clinical experiences, there may be a variety of settings and geographical locations for these experiences.

The clinical facilities used for students in the RN Mobility track are located in a variety of settings and geographical locations.

ACCREDITATION

The bachelor nursing program at Troy University at the Troy Campus located in Troy, AL and the Dothan Campus located in Dothan, AL is accredited by the:

Accreditation Commission for Education in Nursing (ACEN)
3390 Peachtree Road NE, Suite 1400
Atlanta, GA 30326
(404) 975-5000

The most recent accreditation decision made by the ACEN Board of Commissioners for the nursing program is Continuing Accreditation.

View the public information disclosed by the ACEN regarding this program at https://www.acenursing.org/search-programs

Unless otherwise stated, please refer to the General Studies Program section of the catalog for required general studies courses in each Area for all majors:

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area II

Select one of the following:

REL 2280	3	World Religions
NSG 3340	3	Ethics in Nursing
PHI 2203	3	Introduction to Philosophy
PHI 2204	3	Ethics and the Modern World

Area III

Math

MTH 1112	3	Pre-Calculus Algebra
OR		
MTH 1108	4	Enhanced Pre-Calculus Algebra

Science

CHM 1142	3	General Chemistry I
CHM L142	1	General Chemistry I Lab
OR		
BIO 1100	3	Principles of Biology
BIO L100	1	Principles of Biology Lab
OR		
BIO 1111	3	Human Biology and Chemistry for Nursing
BIO L111	1	Human Biology and Chemistry for Nursing Lab

Select one version of Microbiology Lecture/Lab from the following:

BIO 3372	3	Microbiology
BIO L372	1	Microbiology Lab
OR		
BIO 2272	3	Non-Majors Microbiology
BIO L272	1	Non-Majors Microbiology Lab

Area IV

History

Select one history sequence (6sh) from the following:

HIS 1101	3	Western Civilization I
HIS 1102	3	Western Civilization II
OR		
HIS 1111	3	U.S. to 1877
HIS 1112	3	U.S. since 1877
OR		
HIS 1122	3	World History to 1500
HIS 1123	3	World History from 1500

Social Science

NSG 2205	3	Human Growth and Development
OR		
PSY 2210	3	Developmental

Select three hours from the following:

ANT 2200	3	Anthropology
PSY 2200	3	Introduction to Psychology
SOC 2275	3	Introduction to Sociology

Area V Requirements:

BIO 3347	3	Human Anatomy and Physiology I
BIO L347	1	Human Anatomy and Physiology I Lab
BIO 3348	3	Human Anatomy and Physiology II
BIO L348	1	Human Anatomy and Physiology II Lab
NSG 2204	2	Nutrition
NSG 3315	3	Pathophysiology
NSG 3319	3	Informatics in Nursing

TROY 1101 1 The University Experience

Select 3 hours from the following:

STAT 2210 - Introductory Statistics
PSY 3301 - Basic Statistics
QM 2241 - Business Statistics

Free Electives Requirement

Take 3 semester hours of free elective credit.

CORE COURSE REQUIREMENTS FOR GENERIC OR PRE-LICENSURE STUDENTS

NSG 3300	2	Dosage Calculations
NSG 3301	3	Pharmacology
NSG 3306	1	Perspectives of Professional Nursing
NSG 3309	2	Health Assessment
NSG 3310	1	Health Assessment Practicum
NSG 3313	3	Nursing Concepts
NSG 3314	3	Nursing Concepts Practicum
NSG 3323	3	Maternal-Infant Health Nursing
NSG 3324	2-4	Maternal-Infant Health Nursing Practicum
NSG 3325	3	Adult Health Nursing I
NSG 3326	3	Adult Health Nursing I Practicum
NSG 3334	3	Psychiatric-Mental Health Nursing
NSG 3335	2-4	Psychiatric-Mental Health Nursing Practicum
NSG 3336	3	Adult Health Nursing II
NSG 3337	2-4	Adult Health Nursing II Practicum
NSG 4403	3	Child Health Nursing
NSG 4404	2	Child Health Nursing Practicum
NSG 4405	3	Public Health Nursing
NSG 4406	2-4	Public Health Nursing Practicum
NSG 4413	3	Complex Nursing
NSG 4414	2	Complex Nursing Practicum
NSG 4415	2	Nursing Leadership/Management
NSG 4417	2	Professional Nursing Seminar
NSG 4419	2	Research and Evidence in Nursing Practice
NSG 4421	3	Professional Nursing Clinical Preceptorship

CORE COURSE REQUIREMENTS FOR POST-LICENSURE STUDENTS

NSG 3309	2	Health Assessment
NSG 3310	1	Health Assessment Practicum
NSG 3370	2	Professional Nursing
NSG 3380	3	Pathophysiology and the Human Response
NSG 4410	3	Population Health Nursing
NSG 4411	2	Population Health Nursing Preceptorship
NSG 4430	3	Leadership and Management in Nursing
NSG 4431	2	Leadership and Management in Nursing Preceptorship
NSG 4440	3	Research and Evidence for the Practicing Registered Nurse

Note: *Selected General Studies course requirements may differ for students admitted to the RN Mobility program. See the director of admission and records at the School of Nursing in Montgomery for further information.*

B.S. IN NUTRITION

(121 Hours)

The Bachelor of Science in Nutrition prepares students for entry into the workforce as public health nutritionists, food service management and related industries, corporate wellness jobs, food safety, or two-year graduate degree programs to earn the Registered Dietitian/Nutritionist (RDN) credential. RDNs work in a variety of health care settings, state and federal jobs, food and nutrition industry, and corporate food service operations to name a few. This program may be completed 100% online or blended format on the Troy Campus in as little as three years, making it possible to become an RDN in as little as five years.

This degree has specialized general studies requirements (see Areas III-V). Students should consult with an advisor from the department along with this catalog. Note that graduate programs in nutrition vary and students considering graduate work as responsible for determining specific prerequisite courses required for admission.

Students must achieve a C or better in all courses contained in Area III, Area V, program core, and concentrations. If a student earns a D or F in any of these courses the course must be repeated.

All students in the Nutrition degree are required to complete an internship course toward the end of the program. Students must meet the requirements of those organization in order to complete the internship.

Area III

MATH

MTH 1112 3 Pre-Calculus Algebra or higher level math *(Minimum grade of 'C' is required)*

SCIENCE

Required

BIO 1100 3 Principles of Biology
BIO L100 1 Principles of Biology Lab

Choose one of the following Science courses and corresponding lab:

BIO 1101 3 Organismal Biology
BIO L101 1 Organismal Biology
SCI 2233 3 Physical Science
SCI L233 1 Physical Science Lab

Area V (20 hours)

LDR 1100 3 Introduction to Leadership
CHM 1142 3 General Chemistry I
CHM 1143 3 General Chemistry II
CHM 3342 3 Organic Chemistry I
KHP 3345 1-2 Medical Terminology
KHP 3350 3 Psychology of Wellness and Performance
KHP 3391 3 Testing & Statistical Interpretation

TROY 1101 1 The University Experience
OR
TROY 1105 3 Learning Mindset Freshman Seminar

MAJOR RE

BIO 334
BIO 334
BIO 337
KHP 22
KHP 33
KHP L3
KHP 33
KHP 33
KHP 33
KHP 33
KHP 33
KHP 33
KHP 33
KHP 33
KHP 44

NUTRITION MINOR

(18 Hours)

Required Courses

KHP 2211	3	Human Nutrition
KHP 3310	3	Introduction to Food Science
KHP L310	1	Introduction to Food Science Lab
KHP 3311	3	Nutritional Assessment
KHP 3315	2	Complementary and Alternative Therapies
KHP 3316	3	Community Nutrition
KHP 4458	3	Lifecycle Nutrition

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PHYSICAL EDUCATION MAJOR

(125 Hours)

For professional studies information, see the College of Education section of this catalog.

NOTE: Students seeking Alabama Teacher certification in physical education should select education as a second major. Students should consult with their advisers concerning all certification requirements. (P-12)

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area III

BIO 1100	3	Principles of Biology
BIO L100	1	Principles of Biology Lab
MTH 1112	3	Pre-Calculus Algebra or placement

Area III

Select a four hour course/lab combination from the following OR an Advisor approved course:

CHM 1142	3	General Chemistry I or placement
CHM L142	1	General Chemistry I Lab or placement
PHY 2252	3	General Physics I
PHY L252	1	Physics I Lab
SCI 2233	3	Physical Science
SCI L233	1	Physical Science Lab

Area V

KHP 2202	2	First Aid and Safety and CPR
KHP 2251	3	Instructional and Theoretical Practices in Physical Education
KHP 2252	3	Skills and Concepts of Rhythmic Activities
KHP 3360	3	Physiological Principles of Body Systems
LDR 1100	3	Introduction to Leadership
KHP 3395	2	Care and Prevention of Athletic Injury
TROY 1101	1	The University Experience

Select <u>one hour</u> of physical activity courses.

MAJOR REQUIREMENTS

KHP 3330	2	Physical Skills Proficiency
KHP 3352	3	Kinesiology and Efficiency of Human Movement
KHP 3361	3	Integrating HPER into the Curriculum
KHP 4410	3	Motor Development
KHP 4446	3	Secondary Physical Education Resistance Training Practices
KHP 4466	3	Physical Education Practicum
KHP 4474	3	Exercise Physiology
KHP L474	1	Exercise Physiology Lab
KHP 4485	3	Teaching Individual and Team Sports I
KHP 4486	3	Teaching Secondary Physical Education

B.S IN SPORTS COACHING

(121 Hours)

Area III

BIO 1100	3	Principles of Biology
BIO L100	1	Principles of Biology Lab
MTH 1112	3	Pre-Calculus Algebra

(A minimum grade of "C" is required in mathematics)

Select one science and lab combination to fulfill 4 hours of science from the following:

PHY 2252	3	General Physics I
PHY L252	1	Physics I Lab
SCI 2233	3	Physical Science
SCI L233	1	Physical Science Lab
SCI 2234	3	Earth and Space Science
SCI L234	1	Earth and Space Science Lab

Area V

TROY 1101	1	The University Experience
LDR 1100	3	Introduction to Leadership
IS 2241	3	Computer Concepts and Applications
PSY 2210	3	Developmental Psychology
KHP 2251	3	Instructional and Theoretical Practices in Physical Education
KHP 2260	2	Applied Fitness Concepts
KHP 2240	3	Personal and Community Health

MAJOR COURSES (29 HOURS)

KHP 3391	3	Testing & Statistical Interpretation
KHP 4427	3	Health and Fitness Education
KHP 3341	3	Recreation Programming
KHP 3350	3	Psychology of Wellness and Performance
KHP 3354	3	Ethics in Sport
KHP 2211	3	Human Nutrition
KHP 2242	1	Intermediate Weight Training
KHP 1142	1	Weight Training
LDR 2200	3	Tools for Leaders
HS 3325	3	Wellness Across the Lifespan I
HS 3325	3	Wellness Across the Lifespan II

COACHING FIELD (8 HOURS)

Select 4 of the 8 courses below:

KHP 2274	2	Theory and Techniques of Coaching Track and Field
KHP 2275	2	Theory and Techniques of Coaching Golf
KHP 2276	2	Theory and Techniques of Coaching Softball
KHP 2277	2	Theory and Techniques of Coaching Football
KHP 2278	2	Theory and Techniques of Coaching Soccer
KHP 2279	2	Theory and Techniques of Coaching Volleyball
KHP 2281	2	Theory and Techniques of Coaching Baseball
KHP 2282	2	Theory and Techniques of Coaching Basketball

PROFESSIONAL FIELD (24 HOURS)

KHP 4454	3	Applied Coaching I
KHP 4467	3	Applied Coaching II
KHP 4435	3	Current Issues in Athletics
KHP 4400	3	Sports Officiating and Programs in Intramurals
KHP 4473	12	Sports Coaching Internship

COACHING MINOR

(18 Hours)

Required Courses

KHP 2240	3	Personal and Community Health
KHP 2251	3	Instructional and Theoretical Practices in Physical Education
KHP 2260	2	Applied Fitness Concepts
KHP 4435	3	Current Issues in Athletics
KHP 4400	3	Sports Officiating and Programs in Intramurals

Select two of the following Theory and Techniques of Coaching Courses (4 Hours):

KHP 2276	2	Theory and Techniques of Coaching Softball
KHP 2277	2	Theory and Techniques of Coaching Football
KHP 2278	2	Theory and Techniques of Coaching Soccer
KHP 2279	2	Theory and Techniques of Coaching Volleyball
KHP 2281	2	Theory and Techniques of Coaching Baseball
KHP 2282	2	Theory and Techniques of Coaching Basketball

SPORTS MEDICINE MINOR

(18 Hours)

For students accepted into the MSAT program ONLY.

Required Courses

AT 4404	2-3	Introduction to Clinical Experience
AT 4407	2	Health Care Management & Quality Improvement
AT 4415	2	Foundations of Athletic Training
AT L415	1	Foundations of Athletic Training Lab
AT 4411	4	Examination & Therapeutic Management I
AT 4409	1	Professional Practice in Athletic Training
AT 4420	3	Research & Analysis in Sports Medicine
KHP 4429	3	Applied Kinesiology

SOCIAL WORK PROGRAM

SPECIALIZED GENERAL STUDIES REQUIREMENTS

Students will complete the general studies requirements as outlined in the general studies section of this catalog with the following exception: Students will take COM 2241 and any 1000-2000 level Literature Series (6 hours) in AREA II; and a History Sequence (6 credit hours) in Area IV. The following general studies courses are required for social work majors: ANT 2200, POL 2241, PSY 2200, SOC 2275, and PSY 3304. Courses with similar content in General Studies may be considered for substitution by the department chair.

ADMISSION TO THE PROFESSIONAL SOCIAL WORK CURRICULUM

Students must be admitted to the professional social work curriculum in order to enroll in advanced social work courses. Students are encouraged to declare social work as a major during their freshman or sophomore year to ensure that they will meet the requirements for admission in a timely manner. To stay in sequence, students interested in social work are encouraged to take SWK 2250 as soon as they declare a major; otherwise, the student may be out of sequence in meeting program requirements for admission. Students typically apply to the social work program during their junior year after completing all required General Studies Requirements. To be eligible to apply for admission, each social work major must (1) have a minimum GPA of 2.5 (on a 4-point scale) in all college courses attempted; (2) be enrolled OR have completed HS 2240 OR HS 2230, HS 3310, HS 3370, SWK 2250 and SWK 2280 with a grade of C or better. Students with more than 6 hours of required courses will NOT be considered for admission into the social work program. The procedures for applying for admission to the professional social work program may be obtained from your academic advisor in the School of Social Work and Human Services.

PROGRESSION IN SOCIAL WORK

a. Students are required to make a grade of C or better in each of the required departmental core and professional curriculum courses (all HS and SWK prefixed courses.)

b. Students remain in good academic standing by maintaining, at a minimum, a 2.5 GPA in all coursework taken and a 2.5 GPA in all required departmental and professional courses.

c. Failure to maintain an overall 2.5 GPA will result in dismissal from the social work program and/or the student's inability to graduate.

d. Students will not be allowed to repeat required departmental core and professional curriculum courses more than once. Students will be removed from the social work program after unsuccessfully attempting departmental core and professional curriculum courses for the second time.

CORE REQUIREMENTS (33 HOURS)

HS 2240	3	Ethics in the Helping Profession
HS 2250	3	Fundamentals of Case Management
HS 3310	3	Human Behavior in the Social Environment I
HS 3375	3	Practicing Cultural Responsiveness
HS 3370	3	Professional Communication Skills in the Helping Profession(al)
SWK 2250	3	Introduction to Social Work
SWK 2280	3	Social Work Research I
SWK 2281	3	Social Work Research II
SWK 3320	3	Human Behavior in the Social Environment II
SWK 3340	3	Social Policy and Planning
SWK XXX	3	Program Elective

SOCIAL WORK PROFESSIONAL PROGRAM (24 HOURS)

The principal educational objective is the preparation of graduates for beginning generalist social work practice.

SWK 3390	3	Social Work with Individuals and Families
SWK 4471	3	Social Work with Groups
SWK 4472	3	Social Work with Organizations and Communities
SWK 4480	3	Pre-Practicum Seminar
SWK 4481	12	Social Work Practicum

COLLEGE OF SCIENCE AND ENGINEERING

The College of Science and Engineering is a diverse community of educators, students, and researchers from across the country and around the world who work together to advance the boundaries of human knowledge, foster critical thinking skills, promote intellectual inquiry, and develop an understanding of the world around us to become engaged global citizens.

These goals compel a commitment to creativity and inquiry free of bias and based upon the principles of objective scholarship. They require a responsibility to promote and convey those elements of the sciences that must be essential components of the educational goals of all units of the university. The college seeks richness through diversity of its programs and strength through erudition.
The College of Science and Engineering provides the backbone for Troy University's educational and research missions. As a result, you will find a broad array of academic programs that will prepare you for careers in public and private sectors as well as post-graduate and professional schools. These programs emphasize the core values of a scientific education, as well as the skills and flexibility one will need to meet the challenges of the 21st-century workplace.

A degree from the College of Science and Engineering is much more than preparation for a career-it is preparation for a complete, rich, and rewarding life.
In addition to general studies courses, major courses and minor courses, sufficient free electives should be chosen to total at least 120 hours.

As part of ongoing planning and evaluation, the College of Science and Engineering regularly evaluates student learning outcomes for each degree program.

AVIATION OPERATIONS MINOR
(18 Hours)

Rotary Emphasis and Fixed Wing Emphasis - Equivalent credit toward the completion of the Aviation Operations minor/Rotary emphasis and the Aviation Operations minor/Fixed Wing emphasis may be earned through Federal Aviation Administration (FAA) certification and licensure in such areas as private pilot, commercial pilot and flight instruction.
For information regarding the Rotary emphasis and Fixed Wing emphasis of the Aviation Operations minor, contact the Dean of Undergraduate and First Year Studies in 117 Eldridge Hall, Troy Campus.

MINOR IN ASTRONOMY AND ASTROPHYSICS
(18 Hours)

Select 18 hours from the following:

SCI 1110	3	Exploring the Solar System
SCI L110	1	Exploring the Solar System Lab
SCI 2240	3	Principles of Astronomy, Stars, Galaxies and Cosmology
SCI L240	1	Principles of Astronomy, Stars, Galaxies and Cosmology Lab
PHY 3310	3	Modern Physics
PHY L310	1	Modern Physics Lab
ASTR 3326	3	Introduction to Astrophysics
ASTR 3301	3	Extragalactic Astronomy
ASTR 4401	3	Astronomy Capstone
ASTR 3328	3	Introduction to Cosmology

BIOLOGY MAJOR
(44 Hours)

*Special Topics in Biology (BIO 4476), Guided Independent Studies (BIO 4491/BIO 4492) and Guided Independent Research (BIO 4493, BIO 4494) may only be taken for a maximum of 6 semester hours.

SPECIALIZED GENERAL STUDIES REQUIREMENTS:
General studies requirements for the biology, environmental science, biomedical sciences, and marine biology programs and the biology major total 64 semester hours. See the General Studies section of this catalog for complete general studies information.

Area III

BIO 1100	3	Principles of Biology
BIO L100	1	Principles of Biology Lab
CHM 1142	3	General Chemistry I
CHM L142	1	General Chemistry I Lab
MTH 1125	4	Calculus I

Area V Requirements

BIO 1101	3	Organismal Biology
BIO L101	1	Organismal Biology Lab
CHM 1143	3	General Chemistry II
CHM L143	1	General Chemistry II Lab
TROY 1101	1	The University Experience
LDR 1100	3	Introduction to Leadership

Select one sequence:

PHY 2252	3	General Physics I
PHY L252	1	Physics I Lab
PHY 2253	3	General Physics II
PHY L253	1	Physics II Lab
OR		
PHY 2262	3	Physics I with Calculus
PHY L252	1	Physics I Lab
PHY 2263	3	Physics II with Calculus
PHY L253	1	Physics II Lab

MAJOR REQUIREMENTS

BIO 22203	3	Principles of Cell Biology

BIO 2229	3	General Ecology
BIO L229	1	General Ecology Lab
BIO 3320	3	Genetics
BIO 4484	1	Senior Seminar in Biological & Environmental Sciences
CHM 3342	3	Organic Chemistry I
CHM L342	1	Organic Chemistry I Lab
STAT 2210	3	Introductory Statistics **OR** BIO 3315 Introduction to Biostatistics

Choose one chemistry course with its corresponding lab:

CHM 3343	3	Organic Chemistry II
CHM L343	1	Organic Chemistry II Lab
CHM 3352	3	Biochemistry
CHM L352	1	Biochemistry Lab

Complete one botany course with its corresponding lab:

BIO 3325	3	Plant Form and Function
BIO L325	1	Plant Form and Function Lab
BIO 4425	4	Field Botany

Complete one zoology course with its corresponding lab:

BIO 3307	3	Invertebrate Zoology
BIO L307	1	Invertebrate Zoology Lab
BIO 4405	4	Entomology
BIO 4420	4	Field Vertebrate Zoology
BIO 4447	4	Ornithology
BIO 4471	3	Parasitology
BIO L471	1	Parasitology Lab

Complete one ecology/environmental course with its corresponding lab:

BIO 4413	3	Limnology
BIO L413	1	Limnology Lab
BIO 4416	3	Microbial Ecology
BIO L416	1	Microbial Ecology Lab
BIO 4421	3	Population Ecology
BIO L421	1	Population Ecology Lab
BIO 4479	3	Environmental Assessment
BIO L479	1	Environmental Assessment Lab

Complete one physiology/cell/molecular course with its corresponding lab:

BIO 3347	3	Human Anatomy and Physiology I
BIO L347	1	Human Anatomy and Physiology I Lab
BIO 3348	3	Human Anatomy and Physiology II
BIO L348	1	Human Anatomy and Physiology II Lab
BIO 3372	3	Microbiology
BIO L372	1	Microbiology Lab
BIO 3382	3	Immunology
BIO L382	1	Immunology Lab
BIO 3386	3	Hematology
BIO L386	1	Hematology Lab
BIO 4414	3	Food Microbiology
BIO L414	1	Food Microbiology Lab
BIO 4451	3	Toxicology
BIO L451	1-3	Toxicology Lab
BIO 4480	3	Histology
BIO L480	1	Histology Lab
BIO 4482	3	Molecular Biology
BIO L482	1	Molecular Biology Lab

Complete <u>one</u> upper-level adviser-approved biology course and its corresponding lab

BIOLOGY EDUCATION

Students seeking Alabama teacher certification should select biology as a first major and education as a second major. Students should consult with their advisers concerning all certification requirements.

BIOLOGY MINOR

(18-20 Hours)

Lectures and the corresponding labs must be taken together:

REQUIRED COURSES

BIO 1101	3	Organismal Biology
BIO L101	1	Organismal Biology Lab
BIO 2220	3	Principles of Cell Biology
BIO L220	1	Principles of Cell Biology Lab

Complete <u>10 to 12</u> additional semester hours of approved upper-level (3300 or above) biology courses with corresponding labs.

BIOLOGY/BIOMEDICAL SCIENCES

(54 Hours)

**Special Topics in Biology (BIO 4476), Guided Independent Studies (BIO 4491/BIO 4492) and Guided Independent Research (BIO 4493, BIO 4494) may only be taken for a maximum of 6 semester hours*

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area III

BIO 1100	3	Principles of Biology
BIO L100	1	Principles of Biology Lab
CHM 1142	3	General Chemistry I
CHM L142	1	General Chemistry I Lab
MTH 1125	4	Calculus I

Area V Requirements

TROY 1101	1	The University Experience
LDR 1100	3	Introduction to Leadership
BIO 1101	3	Organismal Biology
BIO L101	1	Organismal Biology Lab
CHM 1143	3	General Chemistry II
CHM L143	1	General Chemistry II Lab

Complete One Sequence

Physics sequence not required for eligible students who receive Medical Laboratory Science credits through a hospital internship in their final year. If not required, 8 additional credits of MLS electives will be required to meet the 120 sh degree requirement.

PHY 2252	3	General Physics I
PHY L252	1	Physics I Lab
PHY 2253	3	General Physics II
PHY L253	1	Physics II Lab
OR		
PHY 2262	3	Physics I with Calculus
PHY L252	1	Physics I Lab
PHY 2263	3	Physics II with
PHY L253	1	Physics II Lab

REQUIREMENTS

BIO 2220	3	Principles of Cell Biology
BIO 2229	3	General Ecology
BIO L229	1	General Ecology Lab
BIO 3320	3	Genetics
BIO 4484	1	Senior Seminar in Biological & Environmental Sciences
CHM 3342	3	Organic Chemistry I
CHM L342	1	Organic Chemistry I Lab
BIO 3315	3	Introduction to Biostatistics **OR** STAT 2210 Introductory Statistics

Choose one science course and lab from the following:

CHM 3343	3	Organic Chemistry II
CHM L343	1	Organic Chemistry II Lab
OR		

CHM 3352	3	Biochemistry
CHM L352	1	Biochemistry Lab

ELECTIVES

Take an additional 32 hours in approved upper level biology, biochemistry (CHM 3352), marine biology courses, or medical laboratory science courses (MLS-Hospital Internship students only).*

Note: **See Marine Biology Program for DISL prerequisite courses.*

CHEMISTRY MAJOR

(37 Hours)

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area III

BIO 1100	3	Principles of Biology
BIO L100	1	Principles of Biology Lab
CHM 1142	3	General Chemistry I
CHM L142	1	General Chemistry I Lab
MTH 1125	4	Calculus I

Area V Requirements

MTH 1126	4	Calculus II
PHY 2262	3	Physics I with Calculus*
PHY L252	1	Physics I Lab*
PHY 2263	3	Physics II with Calculus*
PHY L253	1	Physics II Lab*
TROY 1101	1	The University Experience

REQUIRED COURSES (31 HOURS)

CHM 1143	3	General Chemistry II
CHM L143	1	General Chemistry II Lab
CHM 2242	3	Analytical Chemistry
CHM L242	1	Analytical Chemistry Lab
CHM 3342	3	Organic Chemistry I
CHM L342	1	Organic Chemistry I Lab
CHM 3343	3	Organic Chemistry II
CHM L343	1	Organic Chemistry II Lab
CHM 3381	3	Physical Chemistry I
CHM L381	1	Physical Chemistry I Lab
CHM 3382	3	Physical Chemistry II
CHM 4444	3	Advanced Inorganic Chemistry
CHM L444	1	Advanced Inorganic Chemistry Lab
CHM 4445	3	Instrumental Analysis
CHM L445	1	Instrumental Analysis Lab

Complete 6 hours of the following electives:

CHM 3352	3	Biochemistry
CHM L352	1	Biochemistry Lab
CHM L382	1	Physical Chemistry II Lab
CHM 4400	3	Special Topics in Chemistry
CHM 4403	3	Advanced Organic Chemistry
CHM 4420	3	Principles of Polymer Chemistry
CHM L420	1	Principles of Polymer Chemistry Lab
CHM 4452	3	Advanced Biochemistry
CHM 4491	1-3	Guided Independent Research
CHM 4492	1-3	Guided Independent Research
CHM 4493	1-3	Guided Independent Study
CHM 4494	1-3	Guided Independent Study
CHM 4499	1	Senior Seminar
STAT 2210	3	Introductory Statistics

***Notes:** *Chemistry majors minoring in Physics may replace these with free electives. * Chemistry majors minoring in Mathematics may replace MTH 1126 with free electives.*

CHEMISTRY EDUCATION

Students seeking Alabama teacher certification should select chemistry as a first major and education as a second major. Students should consult with their advisers concerning all certification requirements. CHM 3352 is required for Alabama teacher certification.

CHEMISTRY MINOR

(20 Hours)

REQUIRED COURSES

CHM 1142	3	General Chemistry I
CHM L142	1	General Chemistry I Lab
CHM 1143	3	General Chemistry II
CHM L143	1	General Chemistry II Lab
CHM 3342	3	Organic Chemistry I
CHM L342	1	Organic Chemistry I Lab
CHM 3343	3	Organic Chemistry II
CHM L343	1	Organic Chemistry II Lab

Select four additional hours of advanced chemistry courses, such as:

CHM 2242	3	Analytical Chemistry
CHM L242	1	Analytical Chemistry
CHM 3352	3	Biochemistry
CHM L352	1	Biochemistry Lab

COMPREHENSIVE GENERAL SCIENCE MAJOR

(32 Hours)

SPECIALIZED GENERAL STUDIES REQUIREMENTS

Area III

BIO 1100	3	Principles of Biology
BIO L100	1	Principles of Biology Lab
CHM 1142	3	General Chemistry I
CHM L142	1	General Chemistry I Lab
MTH 1125	4	Calculus I

Area V

PHY 2262	3	Physics I with Calculus
PHY L252	1	Physics I Lab
SCI 2234	3	Earth and Space Science
SCI L234	3	Earth and Space Science Lab
TROY 1101	1	The University Experience
LDR 1100	3	Introduction to Leadership

REQUIRED COURSES

BIO 2220	3	Principles of Cell Biology
BIO 3320	3	Genetics
BIO 3347	3	Human Anatomy and Physiology I
BIO L347	1	Human Anatomy and Physiology I Lab
CHM 1143	3	General Chemistry II
CHM L143	1	General Chemistry II Lab
CHM 3342	3	Organic Chemistry I
CHM L342	1	Organic Chemistry I Lab
GEO 3300	3	Principles of Physical Geography
STAT 2210	3	Introductory Statistics
PHY 2263	3	Physics II with Calculus
PHY L253	1	Physics II Lab
PHY 3359	3	Waves and Optics
PHY L359	1	Waves and Optics Lab

COMPUTER PROGRAMMING MINOR

(18 Hours) OURSES

CS 2220	3	Numerical Methods in Computing
CS 2250	3	Computer Science I
CS 2255	3	Computer Science II
CS 3323	3	Data Structures **OR** CS 3330 Data Structures and Algorithms
CS 3360	3	Concepts of Object Oriented Programming I
CS 4443	3	Web Application Development

COMPUTER SCIENCE PROGRAM

(48 Hours)

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area III

MTH 1125	4	Calculus I **(**in lieu of MTH 1110)
PHY 2252	3	General Physics I
PHY L252	1	Physics I Lab
OR		
PHY 2262	3	Physics I with Calculus
PHY L252	1	Physics I Lab

Complete additional <u>four hours</u> of any 1000-2000 level laboratory science classes (lecture and lab both required) from the following science disciplines: Biology, Chemistry, Physics, Physical Science, or other Science areas.

Area V Requirements

CS 2220	3	Numerical Methods in Computing
CS 2250	3	Computer Science I
MTH 1126	4	Calculus II
TROY 1101	1	The University Experience

REQUIRED COURSES

CS 2255	3	Computer Science II
CS 3310	3	Foundations of Computer Science**)**
CS 3323	3	Data Structures
CS 3329	3	Analysis of Algorithms
CS 3332	3	Software Engineering I
CS 3360	3	Concepts of Object Oriented Programming I
CS 3365	3	Introduction to Computer Organization and Architecture
CS 3370	3	Nature of Programming Languages
CS 3372	3	Formal Languages and the Theory of Computation
CS 4420	3	Introduction to Database Systems
CS 4445	3	Data Communication and Networking
CS 4448	3	Operating Systems
STAT 2210	3	Introductory Statistics
MTH 2215	3	Applied Discrete Mathematics

Select two of the following:

CS 3320	3	Business Systems Programming
CS 3331	3	Fundamentals of Artificial Intelligence
CS 4410	3	Introduction to Machine Learning
CS 4443	3	Web Application Development
CS 4447	3	Systems Analysis and Design
CS 4451	3	Computer Security
CS 4495	3	Special Topics in Computer Science

COMPUTER SCIENCE, APPLIED MAJOR

(36 Hours)

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area III

MTH 2201	3	Calculus and its Applications

Select additional Area III requirements as shown in the General Studies section of this catalog.

Area V Requirements

CS 2210	3	Applications of Computer Science
MTH 2215	3	Applied Discrete Mathematics
TROY 1101	1	The University Experience

MAJOR REQUIREMENTS

CS 2250	3	Computer Science I
CS 2255	3	Computer Science II
CS 2265	3	Advanced Programming I
CS 3330	3	Data Structures and Algorithms
CS 4420	3	Introduction to Database Systems
CS 4443	3	Web Application Development
CS 4445	3	Data Communication and Networking
CS 4447	3	Systems Analysis and Design
CS 4448	3	Operating Systems

Select three of the following:

CS 3320	3	Business Systems Programming
CS 3332	3	Software Engineering I
CS 3347	3	Advanced Programming II
CS 4449	3	Applied Networking
CS 4451	3	Computer Security
CS 4499	1-3	Internship in Computer Science
CS 4480	1-3	Study Abroad in Computer Science
CS 4410	3	Introduction to Machine Learning
CS 4495	3	Special Topics in Computer Science

COMPUTER SCIENCE MINOR

(18 Hours)

REQUIRED COURSES

CS 2250	3	Computer Science I
CS 2255	3	Computer Science II

Select <u>12 semester hours</u> of computer science courses with at least one course being at the 4000 level.

CYBER SECURITY PROGRAM

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area III

MTH 1125	4	Calculus I, in lieu of MTH 1110

Complete <u>eight hours</u> of any 1000-2000 level laboratory science classes (lecture and lab both required) from the following science disciplines: Biology, Chemistry, Physics, Physical Science, or other Science areas.

Area V Requirements

CS 2250	3	Computer Science I
TROY 1101	1	The University Experience
STAT 2210	3	Introductory Statistics

REQUIRED COURSES (54 HOURS)

CJ 4472	3	Cyber Crime
CS 2255	3	Computer Science II
CS 3323	3	Data Structures
CS 3333	3	Introduction to Cryptography
CS 3334	3	Foundations of Cyber Security

CS 3336	3	Information Assurance
CS 3359	3	Cyber Security Risk Management
CS 3360	3	Concepts of Object Oriented Programming I
CS 3365	3	Introduction to Computer Organization and Architecture
CS 4420	3	Introduction to Database Systems
CS 4452	3	Cyber Security Policies and Compliance
CS 4445	3	Data Communication and Networking
CS 4448	3	Operating Systems
CS 4450	3	Computer and Network Forensics**)**
CS 4453	3	Ethical Hacking
CS 4454	3	Secure Software Development
CS 4455	3	Cyber Security Techniques and Practices
MTH 2215	3	Applied Discrete Mathematics

Select <u>one</u> upper level (3000-4000 level) Computer Science elective.

CYBER SECURITY MINOR

(18 Hours)

REQUIRED COURSES

CJ 3380	3	Digital Forensics I
CJ 4472	3	Cyber Crime
CS 3360	3	Concepts of Object Oriented Programming I
CS 3334	3	Foundations of Cyber Security
CS 3336	3	Information Assurance
CS 4452	3	Cyber Security Policies and Compliance

DATA INTELLIGENCE MINOR

(18 Hours)

REQUIRED COURSES

STAT 2210	3	Introductory Statistics
CS 2220	3	Numerical Methods in Computing
CS 3323	3	Data Structures **OR** CS 3330 – Data Structures and Algorithms
CS 3360	3	Concepts of Object Oriented Programming I

Select two courses from the following:

CS 3331	3	Fundamentals of Artificial Intelligence
CS 4410	3	Introduction to Machine Learning
CS 4420	3	Introduction to Database Systems

ELECTRICAL & ELECTRONICS ENGINEERING PROGRAM

(124 Hours)

GENERAL STUDIES PROGRAM: SPECIALIZED REQUIREMENTS:

All students are required to complete the Troy University General Studies Program requirements. The B.S. in Electrical & Electronics Engineering Program requires the selection of certain courses within the General Studies Program. For all other General Studies requirements, students may select from courses approved within the General Studies Program.

Area III

MTH 1125	4	Calculus I
CHM 1142	3	General Chemistry I
CHM L142	1	General Chemistry I Lab
PHY 2262	3	Physics I with Calculus
PHY L252	1	Physics I Lab

Area V

TROY 1101	1	The University Experience
CS 2250	3	Computer Science I
CHM 1143	3	General Chemistry II
CHM L143	1	General Chemistry II Lab
MTH 1126	4	Calculus II
MTH 2227	4	Calculus III
PHY 2263	3	Physics II with Calculus
PHY L253	1	Physics II Lab

CORE COURSES (26 HOURS)

STAT 2210	3	Introductory Statistics
CS 2220	3	Numerical Methods in Computing
EEE 2201	3	Introduction to Engineering
EEE 2220	3	DC Circuit Analysis
EEE L220	1	DC Circuit Analysis Lab
EEE 3315	3	Digital Electronics & Logics Circuits
EEE L315	1	Digital Electronics & Logics Circuits Lab
EEE 4480	3	Capstone Project I
EEE 4481	3	Capstone Project II

Choose one of the following:

MTH 2215	3	Applied Discrete Mathematics
MTH 2230	3	Applied Linear Algebra
MTH 3311	3	Differential Equations

ELECTRICAL AND ELECTRONICS COURSES (36 HOURS)

EEE 2221	3	AC Circuit Analysis
EEE L221	1	AC Circuit Analysis Lab
EEE 3311	3	Semiconductor Devices I
EEE L311	1	Semiconductor Devices I Lab
EEE 3312	3	Semiconductor Devices II
EEE L312	1	Semiconductor Devices II Lab
EEE 3313	3	Electronic Properties of Materials
EEE L313	1	Electronic Properties of Materials Lab
EEE 4420	3	Fundamentals of Embedded Systems
EEE L420	1	Fundamentals of Embedded Systems Lab
EEE 4421	3	Intelligent Robotics and Automation
EEE L421	1	Intelligent Robotics and Automation Lab
EEE 4444	3	Fundamentals of Optics
EEE L444	1	Fundamentals of Optics Lab
EEE 4445	3	Optoelectronics
EEE L445	1	Optoelectronics Lab
EEE 4450	3	Telecommunication Electronics
EEE L450	1	Telecommunication Electronics Lab

ELECTRONICS ENGINEERING TECHNOLOGY MINOR

(20 Hours)

REQUIRED COURSES

EET 2220	3	Electrical Circuits I
EET L220	1	Electrical Circuits I Lab
EET 2221	3	Electrical Circuits II
EET L221	1	Electrical Circuits II Lab
EET 3311	3	Electronic Devices I
EET L311	1	Electronics Devices I Lab
EET 3312	3	Electronic Devices II
EET L312	1	Electronic Devices II Lab
EET 4420	3	Fundamentals of Microcontrollers
EET L420	1	Fundamentals of Microcontrollers Lab

ENVIRONMENTAL SCIENCE PROGRAM

(54-56 Hours)

**Special Topics in Biology (BIO 4476), Guided Independent Studies (BIO 4491/BIO 4492) and Guided Independent Research (BIO 4493, BIO 4494) may only be taken for a maximum of 6 semester hours.*

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area III

BIO 1100	3	Principles of Biology
BIO L100	1	Principles of Biology Lab
CHM 1142	3	General Chemistry I
CHM L142	1	General Chemistry I Lab

Select one of the following MTH courses:

MTH 1114	3	Pre-Calculus Trigonometry
MTH 1125	4	Calculus I

Area V Requirements

TROY 1101	1	The University Experience
LDR 1100	3	Introduction to Leadership
BIO 1101	3	Organismal Biology
BIO L101	1	Organismal Biology Lab
CHM 1143	3	General Chemistry II
CHM L143	1	General Chemistry II Lab

Select of the following GEO or GIS courses:

GEO 2299	3	Basic GIS
GIS 3390	3	Fundamentals of Geographic Information and Analysis

Select one PHY lecture and lab combination:

PHY 2252	3	General Physics
PHY L252	1	Physics I Lab
OR		
PHY 2262	3	Physics I with Calculus
PHY L252	1	Physics I Lab

PROGRAM REQUIREMENTS

BIO 1120	3	Survey of Environmental Sciences
BIO L120	1	Survey of Environmental Sciences Lab
BIO 2220	3	Principles of Cell Biology
BIO 2229	3	General Ecology
BIO L229	1	General Ecology Lab
BIO 3320	3	Genetics
BIO 3328	3	Environmental Pollution and Control
BIO L328	1	Environmental Pollution and Control Lab
BIO 4413	3	Limnology
BIO L413	1	Limnology Lab
BIO 4479	3	Environmental Assessment
BIO L479	1	Environmental Assessment Lab
BIO 4484	1	Senior Seminar in Biological & Environmental Sciences
CHM 3342	3	Organic Chemistry I
CHM L342	1	Organic Chemistry I Lab
BIO 3315	3	Introduction to Biostatistics **OR** STAT 2210 - Introductory Statistics

Complete 18-20 hours of adviser-approved upper-level courses in biology, marine biology, chemistry, geography, or mathematics.*

Note: **See Marine Biology Program for DISL prerequisite courses.*

ENVIRONMENTAL SCIENCE MINOR

(18-20 Hours)

REQUIRED COURSES

BIO 1120	3	Survey of Environmental Sciences
BIO L120	1	Survey of Environmental Sciences Lab

Select one of the following BIO lecture/lab course combinations:

BIO 1101	3	Organismal Biology
BIO L101	1	Organismal Biology Lab
OR		
BIO 2229	3	General Ecology
BIO L229	1	General Ecology Lab

Complete 10-12 additional semester hours of advisor-approved upper-level (3000 or above) biology courses.

GEOGRAPHIC INFORMATION SCIENCES (GIS) MAJOR

(36 Hours)

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area II

COM 2241	3	Fundamentals of Speech **3 Credit Hour(s)**

Area III

MTH 1114	3	Pre-Calculus Trigonometry
SCI 2233	3	Physical Science
SCI L233	1	Physical Science Lab

Area V

TROY 1101	1	The University Experience
STAT 2210	3	Introductory Statistics
BIO 1120	3	Survey of Environmental Sciences
BIO L120	1	Survey of Environmental Sciences Lab
GIS 2201	3	Introduction to Spatial Computing using Python
SS 3375	3	Research Methods in the Social Sciences
LDR 1100	3	Introduction to Leadership

MAJOR REQUIREMENTS

GIS 3301	3	Cartography & Geovisualization
GIS 3305	3	Spatial Information and Analysis
GIS 3310	3	Introduction to Remote Sensing
GIS 3390	3	Fundamentals of Geographic Information and Analysis
GIS 3391	3	Application of Geospatial Information Sciences
GEO 3300	3	Principles of Physical Geography
GEO 3301	3	Principles of Cultural Geography

Select one of the following:

GIS 4490	3	GIS Senior Project
GIS 4499	3	GIS Internship

Select one of the following concentrations*:*

Geographic Information Sciences (GIS) Concentration

GIS 4401	3	Spatial Database Design and Management
GIS 4405 -	3	Spatial Modeling and Programming
GIS 4415	3	Advanced Geospatial Technologies
GIS 4420	3	Web Based GIS/ Spatial Data Applications

Geography Concentration

Select two courses from the following courses:

GEO 3350	3	Weather and Climate
GEO 4402	3	Political Geography
GEO 4403	3	Conservation
GEO 4406	3	Urbanism

GEO 4411	3	Population and Society

Select two courses from the following Regional Geography course:

GEO 3306	3	Geography of Asia
GEO 3307	3	Geography of Europe
GEO 4412	3	Geography of Latin America
GEO 4426	3	Geography of the Russian Realm
GEO 3331	3	Geography of the Middle East and North Africa

GEOGRAPHIC INFORMATION SCIENCES (GIS) MINOR

(18 Hours)

REQUIRED COURSES (9 HOURS)

GIS 3301	3	Cartography & Geovisualization
GIS 3305	3	Spatial Information and Analysis
GIS 3390	3	Fundamentals of Geographic Information and Analysis

Electives (9 hours)

Select one course from the following (3 Hours):

GEO 3300	3	Principles of Physical Geography
GEO 3301	3	Principles of Cultural Geography
POL 4402	3	Political Geography

Select two courses from the following (6 Hours):

GIS 3310	3	Introduction to Remote Sensing
GIS 3391	3	Application of Geospatial Information Sciences
GIS 4401	3	Spatial Database Design and Management
GIS 4405	3	Spatial Modeling and Programming
GIS 4415	3	Advanced Geospatial Technologies
GIS 4420	3	Web Based GIS/ Spatial Data Applications
GEM 4410	3	Introduction to Global Positions (GPS)
CS 3310	3	Foundations of Computer Science

INFORMATION TECHNOLOGY MINOR

(18 Hours)

REQUIRED COURSES

CS 2250	3	Computer Science I
CS 2255	3	Computer Science II **OR** CS 3360 Concepts of Object Oriented Programming I
CS 3310	3	Foundations of Computer Science
CS 3323	3	Data Structures **OR** CS 3330 Data Structures and Algorithms

Select two courses from the following:

CS 4420	3	Introduction to Database Systems
CS 4445	3	Data Communication and Networking
CS 4447	3	Systems Analysis and Design
CS 4451	3	Computer Security

MATHEMATICS MAJOR

(38 Hours)

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area III

MTH 1125	4	Calculus I

Area V Requirements

TROY 1101	1	The University Experience
STAT 2210	3	Introductory Statistics
MTH 2220	3	Computer Programming for Mathematics

REQUIREMENTS FOR THE MAJOR

MTH 1126	4	Calculus II
MTH 2227	4	Calculus III
MTH 3311	3	Differential Equations
MTH 3318	3	Introduction to Advanced Mathematics
MTH 3331	3	Linear Algebra
STAT 3350	3	Statistical Methods and Computations
MTH 4424	3	Real Analysis I
MTH 4441	3	Abstract Algebra I

Select one of the following options:
(Students seeking Alabama teacher certification should consult the Requirements for the Major in Secondary Education.)

OPTION I (12 HOURS):

Select one of the following:

MTH 4425	3	Real Analysis II
MTH 4442	3	Abstract Algebra II
STAT 4451	3	Mathematical Statistics I

Select nine (9) hours of mathematics (MTH) or STAT courses at the 3000 level or higher (excluding MTH 4481)

OPTION 2: STATISTICS CONCENTRATION (12 HOURS):

STAT 4451	3	Mathematical Statistics I
STAT 4452	3	Mathematical Statistics II

Select 6 hours of upper-level STAT course from the following:

STAT 3355	3	Survey Sampling
STAT 4459	3	Regression Analysis
STAT 4465	3	Categorical Data Analysis
STAT 4466	3	Statistical Data Mining
STAT 4467	3	Experimental Design
STAT 4456	3	Mathematics of Finance
STAT 4464	3	Multivariate Analysis

MATHEMATICS EDUCATION

Students seeking Alabama teacher certification should consult the College of Education portion of the catalog for major requirements. Students should consult their education advisers concerning all certification requirements and with their academic discipline adviser for requirements in the major.

MATHEMATICS MINOR

(18 Hours)

REQUIRED COURSES

MTH 1125	4	Calculus I
MTH 1126	4	Calculus II
MTH 2227	4	Calculus III
MTH 3331	3	Linear Algebra **OR** MTH 3311 Differential Equations

Select an additional three hours of MTH or STAT courses at the 3000 level and above, other than those courses whose catalog description declares that they do not count toward the major or minor.

MARINE BIOLOGY PROGRAM

(56 Hours)

**Special Topics in Biology (BIO 4476), Guided Independent Studies (BIO 4491/BIO 4492) and Guided Independent Research*

(BIO 4493, BIO 4494) may only be taken for a maximum of 6 semester hours.

Students must take courses at both Troy University and Dauphin Island Sea Lab.

SPECIALIZED GENERAL STUDIES REQUIREMENTS:

Area III

BIO 1100	3	Principles of Biology
BIO L100	1	Principles of Biology Lab
CHM 1142	3	General Chemistry I
CHM L142	1	General Chemistry I Lab
MTH 1125	4	Calculus I

Area V Requirements

TROY 1101	1	The University Experience
LDR 1100	3	Introduction to Leadership
BIO 1101	3	Organismal Biology
BIO L101	1	Organismal Biology Lab
CHM 1143	3	General Chemistry II
CHM L143	1	General Chemistry II Lab

Complete one sequence (physics sequence not required for medical technology concentration):

PHY 2252	3	General Physics
PHY L252	1	Physics I Lab
PHY 2253	3	General Physics II
PHY L253	1	Physics II Lab
OR		
PHY 2262	3	Physics I with Calculus
PHY L252	1	Physics I Lab
PHY 2263	3	Physics II with Calculus
PHY L253	1	Physics II Lab

REQUIREMENTS FOR THE PROGRAM

Lectures and corresponding labs must be taken together.

BIO 2220	3	Principles of Cell Biology
BIO 2229	3	General Ecology
BIO L229	1	General Ecology Lab
BIO 3320	3	Genetics
BIO 4484	1	Senior Seminar in Biological & Environmental Sciences
STAT 2210	3	Introductory Statistics **OR** BIO 3315 Introduction to Biostatistics
CHM 3342	3	Organic Chemistry I
CHM L342	1	Organic Chemistry I Lab

Complete one chemistry sequence:

CHM 3343	3	Organic Chemistry II
CHM L343	1	Organic Chemistry II Lab
OR		
CHM 3352	3	Biochemistry
CHM L352	3	Biochemistry Lab

TROY UNIVERSITY COURSES

BIO 3307	3	Invertebrate Zoology
BIO L307	1	Invertebrate Zoology Lab

Complete 14 additional semester hours of adviser-approved biology or marine biology (MB) courses.

Dauphin Island Sea Lab (DISL) Courses (16 semester hours)
DISL courses are offered during the summer term. Students are required to take the following prerequisites before attending DISL: CHM 1143, CHM L143, BIO 1101, BIO L101, BIO 2229, BIO L229. *A grade of C or better is required in the prerequisites.* Students must also comply with all DISL catalog prerequisites for individual courses. *Complete 16 semester hours of MB courses approved by the DISL liaison and Department Chair.*

MEDICAL STUDIES MINOR

(19 Hours)

REQUIRED COURSES

CHM 1142	3	General Chemistry I
CHM L142	1	General Chemistry I Lab
BIO 3347	3	Human Anatomy and Physiology I
BIO L347	1	Human Anatomy and Physiology I Lab
BIO 3348	3	Human Anatomy and Physiology II
BIO L348	1	Human Anatomy and Physiology II Lab
BIO 3372	3	Microbiology
BIO L372	1	Microbiology Lab

Select one course from the following:

SOC 2275	3	Introduction to Sociology
KHP 3352	3	Kinesiology and Efficiency of Human Movement
POL 2241	3	American National Government
PSY 2200	3	Introduction to Psychology

PHYSICS MINOR

(18-19 Hours)

REQUIRED COURSES

PHY 2262	3	Physics I with Calculus
PHY L252	1	Physics I Lab
PHY 2263	3	Physics II with Calculus
PHY L253	1	Physics II Lab
PHY 3310	3	Modern Physics
PHY L310	1	Modern Physics Lab

Select an additional six to seven hours of adviser-approved, upper-level physics courses.

SCIENCE EDUCATION

Students seeking Alabama teacher certification should select the comprehensive science program as a first major and education as a second major. Students should consult with their advisers concerning all certification requirements.

STATISTICS MINOR

(18 Hours)

Requirements for Minor

STAT 2210	3	Introductory Statistics
STAT 3350	3	Statistical Methods and Computations
STAT 4451	3	Mathematical Statistics I

Select 9 hours from the following:

STAT 3355	3	Survey Sampling
STAT 4452	3	Mathematical Statistics II
STAT 4459	3	Regression Analysis
STAT 4465	3	Categorical Data Analysis
STAT 4466	3	Statistical Data Mining
STAT 4467	3	Experimental Design
STAT 4456	3	Mathematics of Finance
STAT 4464	3	Multivariate Analysis

SURVEYING AND GEOMATICS SCIENCES PROGRAM

(60 Hours)

Area II

ART 2201	3-5	Introductory Drawing
COM 2241	3	Fundamentals of Speech

Select any 1000-2000 level course within the range provided for this area (3sh)

Area III Requirements

MTH 1125 - Calculus I **4 Credit Hour(s)**

Select one sequence for 8 hours (Calculus sequence recommended for Geodesy & Photogrammetry students)

PHY 2252 - General Physics I **3 Credit Hour(s)**
PHY L252 - Physics I Lab **1 Credit Hour(s)**
PHY 2253 - General Physics II **3 Credit Hour(s)**
PHY L253 - Physics II Lab **1 Credit Hour(s)**

OR

PHY 2262 - Physics I with Calculus **3 Credit Hour(s)**
PHY L262 - Physics I with Calculus Lab **1 Credit Hour(s)**
PHY 2263 - Physics II with Calculus **3 Credit Hour(s)**
PHY L263 - Physics II with Calculus Lab **1 Credit Hour(s)**

Area V Requirements

GIS 2201	3	Introduction to Spatial Computing using Python
LDR 1100	3	Introduction to Leadership
MTH 2230	3	Applied Linear Algebra
STAT 2210	3	Introductory Statistics
TROY 1101	1	The University Experience

CORE REQUIREMENTS (34 HOURS)

GEM 1100	2	Computer-Aided Drafting I
GEM 2220	3	Basics of Surveying
GEM L220	1	Basics of Surveying Lab
GEM 3330	3	Advanced Measurement Analysis
GEM L330	1	Advanced Measurement Analysis Lab
GEM 3366	3	Photogrammetry and Remote Sensing
GEM 3379	3	Introduction to Least Squares Adjustment
GIS 3390	3	Fundamentals of Geographic Information and Analysis
GIS 3391	3	Application of Geospatial Information Sciences
GEM 4405	3	Route and Construction Surveying
GEM L405	1	Route and Construction Surveying Lab
GEM 4408	3	Geodesy and Geodetics
GEM 4410	3	Introduction to Global Positions (GPS)

Choose one of the following:

GEM 4499	2	Geomatics/GIS Projects

OR

GEM 3395	1	Cooperative Work Experience I **AND**
GEM 4496	1	Cooperative Work Experience II

LAND SURVEYING CONCENTRATION (19 HOURS)

GEM 1101	2	Computer-Aided Drafting II
GEM 3309	3	Land Survey Principles
GEM L309	1	Land Survey Principles Lab
GEM 3310	3	Land Survey Practice
GEM L310	1	Land Survey Practice Lab
GEM 4407	3	Land Development
GEM L407	1	Land Development Lab
GEM 4409	3	Hydrology
GEM L409	1	Hydrology Lab
GEM 4490	1	Geomatics Capstone

7 hours of electives taken in addition to the above required courses

GEODESY CONCENTRATION REQUIREMENTS (19 HOURS)

GEM 4415	3	Foundations of Geodesy
GEM 4404	3	Introduction to Geophysics
GEM 4403	3	Introduction to Geodetic Astronomy
GEM 4422	3	Reference Frames and Map Projections
GEM 4420	3	Least Squares Adjustment and Analysis
MTH 1126	4	Calculus II

7 hours of electives taken in addition to the above required courses

Notes*:* Electives can be taken from Land Surveying, Geodesy, Photogrammetry, GIS, or Geography courses. Other electives can be taken with permission of advisor, e.g., MTH 2227, MTH 3311, MTH 3331, MTH 4412, MTH 4415, PHY 3359 and PHY L359, PHY 4460, PHI 2204, PHI 2205, PHI 2210 can be taken as part of Area II.

SURVEYING AND GEOMATICS SCIENCES MINOR

(20 Hours)

REQUIRED COURSES

GEM 1100	2	Computer-Aided Drafting I
GEM 2220	3	Basics of Surveying
GEM 3309	3	Land Survey Principles
GEM 4408	3	Geodesy and Geodetics
GEM 4410	3	Introduction to Global Positions (GPS)

Select two courses from the following:

GIS 3390	3	Fundamentals of Geographic Information and Analysis
GEM 3330	3	Advanced Measurement Analysis
GEM 4407	3	Land Development
GEM 4409	3	Hydrology

UNMANNED AERIAL SYSTEMS MINOR

(18 Hours)

REQUIRED COURSES

UAS 2200	3	Unmanned Aerial Systems Overview
UAS 2202	3	Principles of UAS Design
UAS 2204	3	Principles of UAS Sensors & Sensing Systems
UAS 2206	3	Human Factors in UAS Operations & Accidents
UAS 2208	3	Legal & Ethical Considerations for UAS Operations

Select 3 semester hours from the following:

UAS 2210	3	Real World Applications
UAS 2212	3	UAS Piloting Familiarization

COURSE DESCRIPTIONS

3D PRINTING

3DP 2220 Fundamentals of 3D Modeling and Printing for Art and Industry (3)
Introduces students to the fundamental skills required to begin 3D design and printing using CAD (Computer Aided Design) software. Digital design terminology and techniques combined with an understanding of how 3D printers function will be delivered through a series of fundamental projects. Students are also introduced to contemporary discourses in sculpture involving digital fabrication as well as learning about these same practices for industry and how they are in dialogue with one another. Includes access to the 3D Printing Lab.

3DP 2225 3D Printing Lab (1)
Through project-based learning students apply 3D design and printing skills for applied experience with printers and other technologies offered in the lab. May be repeated for credit. Prerequisite(s): 3DP 2220

3DP 2230 Large Format Printing and Sustainable Materials for Art and Industry (3)
Utilizing sustainable materials like recycled plastics, concrete, and clay, this class will explore and experiment with eco-innovative approaches to large format design for sculpture and manufacturing. 3D scanning, scaling, and reverse engineering will also be taught. Includes access to the 3D Printing Lab. Prerequisite(s): 3DP 2220

3DP 2240 Contemporary Discourse of Design for 3D Printing (3)
This course takes up the question of 1) how do we contemporary digital design practices through a lens of human-centered thinking? And, 2) how do we further the dialogue between Art and Industry? Questioning, empathy, collaboration, and interactive workflow processes are applied to unique assignments with these questions in mind. Intermediate CAD (Computer Aided Design) skills will be taught. Includes access to the 3D Printing Lab. *Prerequisite(s): 3DP 2220*

3DP 3320 Constructive Disruption: Design Process and Workflow (3)
This course will exercise the problem-solving mindsets of sculptors and industrial designers to create constructive disruption in both of these fields. Applying the innovative concepts, designs, production workflows and communication skills learned in the other courses of this program, students will create unique projects that aim for innovation. Includes access to the 3D Printing Lab. *Prerequisite(s): 3DP 2220*

3DP 3330 Product Development and Assistive Design (3)
Product development will be taught and applied through practical and creative 3D printing projects. Students will learn intermediate solid modeling with an emphasis on assistive design. Includes access to the Virtual and Physical Lab Prerequisite(s): 3DP 2220

3DP 4498 3D Design and Production Internship (3-6)
Students will identify or be partnered with a business or enterprise for internship to gain applied experience with the skill sets developed in 3D Printing. Includes access to the Virtual and Physical Lab. *Prerequisite(s): 3DP 2220, 3DP 2230, 3DP 3320 and 3DP 3330 or permission of chair*

ACCOUNTING

ACT 2291 Principles of Accounting I (3)
Introduction to accounting as it relates to business entities with a focus on preparation and use of basic financial statements in decision making. *Account majors must complete this course with a grade of C or better.*

ACT 2292 Principles of Accounting II (3)
Modern financial and managerial accounting theory and practices applied to an organization's liabilities, cash flows, planning, budgeting, and control. *Prerequisite(s): ACT 2291*

ACT 3315 Advanced Applications for Accounting (3)
A computer software applications course in which students use electronic spreadsheet software and other application software to design and implement solutions to common accounting problems and issues. *Account majors must complete this course with a grade of C or better. Prerequisite(s): ACT 3391 or permission of instructor*.

ACT 3355 Internal Auditing (3)
Internal auditing theory as contained in official pronouncement (IIASB, COSO, COBIT, Sarbanes-Oxley). Emphasis will be placed on material required for the CPA exam as it relates to professional ethics, audit engagement procedures, internal control, audit sampling, evidence gathering and auditor's reports. *Account majors must complete this course with a grade of C or better. Prerequisite(s): ACT 2291*

ACT 3357 Financial Reporting & Analysis I (3)
Study of financial accounting concepts and principles related to financial reporting emphasizing income measurement and accounting for assets. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 2291*

ACT 3358 Financial Reporting & Analysis II (3)
Study of accounting concepts and principles related to financial reporting of long-term debt, owners' equity and other special items. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 3357*

ACT 3360 Entrepreneurial Accounting (3)
This course covers small business accounting basics that assist business owners in making business decisions based on accounting information. It emphasizes the triple bottom line reporting that refers to reporting on a company's economic, social, and environmental performance. *Account majors must complete this course with a grade of C or better. Prerequisite(s): ACT 2291, MGT 4475*

ACT 3365 Corporate Financial Reporting (3)
An analysis of the financial reporting issues faced by managers, including preparing, understanding, and analyzing financial reports. *Account majors must complete this course with a grade of C or better. Prerequisite(s): ACT 2291*

ACT 3380 Accounting Study Abroad (1)
Supervised investigation of relevant topics in accounting or business through travel-study abroad or within the interior of United States.

ACT 3390 Honors Intermediate Accounting II (3)
Theory and applications related to the in-depth study of financial accounting, with an emphasis on financial statements and recognition, measurement, and presentation of economic transactions. Coverage will include assets, liabilities, owners' equity, and other topics. This course is designed for Sorrell Global Scholars honors students. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): Sorrell Global Scholars student or permission of Associate Dean; ACT 3391*

ACT 3391 Intermediate Accounting I (3)
Theory and applications related to the conceptual framework of financial accounting, required financial statements and recognition, measurement, and presentation of economic transactions. Topics will include assets and other select balance sheet and income statements accounts. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 2291*

ACT 3392 Intermediate Accounting II (3)
Theory and applications related to the in-depth study of financial accounting, with an emphasis on financial statements and recognition, measurement, and presentation of economic transactions. Coverage will include assets, liabilities, owners' equity, and other topics. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 3391*

ACT 3394 Governmental Accounting (3)
Analysis of accounting principles, concepts, and practices of governments, including fund accounting, budgeting, and financial statement preparation. Nonprofit accounting will be introduced. *Accounting majors must complete this course with a grade of C or better*. Prerequisite(s): ACT 3391 or permission of instructor.

ACT 3395 Managerial/Cost Accounting I (3)
An analysis of issues dealing with cost accounting and cost management in the global economy from the viewpoint of management, including calculating product costs and period expenses, cost systems for accumulating and managing costs, analyzing cost behavior for tactical decisions, introduction to activity-based costing, ethical principles for management accountants, measuring the costs of quality, and preparing the master budget. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 2291*

ACT 3396 Accounting Information Systems (3)
Principles underlying establishment of complete accounting systems; applications to typical business organization; emphasis on the functions of control and protection. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 3391 or permission of instructor.*

ACT 3398 Honors Managerial/Cost Accounting I (3)
An analysis of issues dealing with cost accounting and cost management in the global economy from the viewpoint of management, including calculating product costs and period expenses, cost systems for accumulating and managing costs, analyzing cost behavior for tactical decisions, introduction to activity-based costing, ethical principles for management accountants, measuring the costs of quality, and preparing the master budget. This course is designed for Sorrell Global Scholars honors students. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): Sorrell Global Scholars student or permission of Associate Dean; ACT 2291*

ACT 4435 Accounting Analytics (3)
This course focuses on issues related to accounting, reporting of financial information and data analysis for entities. Students will use data analytical tools through hands-on applications to analyze entity data and assess organizational operations. *Accounting majors must complete this course with a grade of "C" or better. Prerequisite(s): ACT 3391*

ACT 4450 Auditing Concepts (3)
Study of auditing concepts related to professional ethics, audit engagement, internal control, audit sampling, evidence gathering and auditors' reports. *Accounting majors must complete this course with a C or better. Prerequisite(s): ACT 3358. Pre/Corequisite(s): ACT 3355*

ACT 4451 Introduction of Taxation (3)
Study of federal tax laws and regulations for individuals and business entities, with an emphasis on components of income, exclusions, allowable expenses, losses and owner distributions. Tax implications of property transactions to both individuals and business entities, and choice of business entity will be introduced. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 2291*

ACT 4480 Professional Development – Public Accounting (1)
Examination of professional and pre-professional requirements for entry into the public accounting profession. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 3391, ACT 3392, ACT 3394, ACT 3395, ACT*

4494. Pre/Corequisite(s): ACT 3315, ACT 3396, ACT 4435, ACT 4491, ACT 4495, ACT 4497

ACT 4481 Professional Development - Forensic Accounting (1)
Analysis of current developments and requirements for entry into the forensic accounting profession. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 3358, ACT 3394, ACT 3396, ACT 4451, LAW 4425, ACT 4450. Pre/Corequisite(s): ACT 4498*

ACT 4482 Professional Development - Management Accounting (1)
Analysis of current developments and requirements for entry into the management accounting profession. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 3358, ACT 3355, ACT 3395, ACT 3396, ACT 4451, ACT 4450. Pre/Corequisite(s): ACT 4496*

ACT 4485 Fraud Examination I (3)
The study of legal issues related to fraud prevention, detection and investigation. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 4450*

ACT 4489 Honors Auditing (3)
Auditing theory as contained in official pronouncements. Emphasis will be placed on material required for the CPA exam as it relates to professional ethics, audit engagement, internal control, audit sampling, evidence gathering and auditors' reports. This course is designed for Sorrell Global Scholars honors students. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): Sorrell Global Scholars student or permission of Associate Dean; ACT 3392*

ACT 4491 Advanced Accounting (3)
A more complex analysis of the theory and applications of financial accounting. Coverage will include revenue recognition, leases, pensions, business combinations, foreign currency transactions and translations, and other advanced topics. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 3392*

ACT 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may not be substituted for any required course. This course may be repeated for 1 to 3 credits hours per course per semester. Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.

ACT 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may be repeated for 1 to 3 credits hours per course per semester. Consult Certified Public Accountant Examination requirements prior to enrolling in this course. Accounting majors must complete this course with a grade of C or better. Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. This course may not be substituted for any required course.

ACT 4494 Income Tax Accounting I (3)
Analysis of the federal income tax laws and regulations for individual taxpayers. Primary emphasis is on the individual components of personal and business income and the allowable deductions. The taxation of gains and losses on property and capital-asset transactions will be introduced. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 3391 or permission of instructor.*

ACT 4495 Income Tax Accounting II (3)
Analysis of federal income tax laws and regulations for corporations and partnerships. Estate and nonprofit taxation will be introduced. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 4494*

ACT 4496 Managerial/Cost Accounting II (3)
In depth analysis of advanced cost accounting issues from the viewpoint of management, including cost management systems, target costing, life cycle costing, and measures of performance, including the balanced scorecard. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 3395*

ACT 4497 Auditing (3)
Auditing theory as contained in official pronouncements. Emphasis will be placed on material required for the CPA exam as it relates to professional ethics, audit engagement, internal control, audit sampling, evidence gathering and auditors' reports. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 3392*

ACT 4498 Fraud Examination II (3)
Auditing theory and procedures as applied to fraud prevention, detection and investigation. *Accounting majors must complete this course with a grade of C or better. Prerequisite(s): ACT 4485*

ACT 4499 Accounting Internship (1-3)
Internship in local, regional or national firm. Requires junior or senior standing and individual approval for the internship program. See "Internship Program" for additional requirements. *Accounting majors must complete this course with a grade of C or better.* Note: This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): ACT 3392*

ADULT EDUCATION

ADE 3301 Education Leadership and Motivation in Adult Learning (3)
In this course, you will learn how to create a shared vision for your team and effectively communicate it to your teammates. You will also learn how to set effective goals and expectations in a way that best enables your team to attain the shared vision. Finally, you will understand the most important needs and drivers of performance across cultures, and will learn to align rewards with desired behaviors so that your teammates are motivated to attain the team's objectives. This course will help you diagnose and solve motivation problems so that you can bring out the best in your people.

ADE 3305 Teaching Adults with Technology (3)
Instructional technology is becoming increasingly an important part of adult learner education. Adult learners need to utilize current and emerging technologies to perform required career duties and succeed as professionals in the workforce. Technology enhances the learning of adults, improves their motivation, and engages them in various activities. It also increases accessibility to individualized learning, and improves communication with coworkers and supervisors. This course focuses on the ideas and skills to integrate technology efficiently into curriculum and its utilization for effective teaching. *Prerequisite(s): ADE 3301*

ADE 3310 Teaching Adult Learners (3)
This course features practical strategies and instructional techniques for teaching adult learners. Topics include characteristics of adult learners, adult learning/teaching styles, overcoming resistance to learning, promoting self-learning in adults, and dealing with diversity in the adult learning environment. *Prerequisite(s): ADE 3301*

ADE 3320 Assessing Adult Learners (3)
This course is designed to assist participants with the development of knowledge and skills that can be applied to successful student outcomes assessment. Specifically, this course is an introduction to various methods that measure students' know-ledge and skills. Emphasis is placed on constructing and validating various types of measurement instruments and performance assessments including their validity and reliability. *Prerequisite(s): ADE 3301*

ADE 3346 Educational Psychology in Adult Learning (3)
This course is a study of the distinctive characteristics of adult development and their interaction with the cognitive, social, and psychological characteristics of adult learning. Emphasis will be given to understanding the nature of adult learners and their learning processes, principles of motivation and effective facilitation geared toward adult learners, and social and cultural influences on adult learning. *Prerequisite(s): ADE 3301*

ADE 4400 Classroom Management in Adult Learning (3)
This course will provide an introduction to managing various instructional environments including how to create a safe learning environment, design classroom and laboratory procedures, and develop an effective classroom management plan. Instruction also includes how to implement organizational systems to manage work-based learning experiences, student records, learning experiences, supplies, equipment, tools, finances, and facilities. *Prerequisite(s): ADE 3301*

ADE 4401 Problem Solving and Decision Making (3)
This course explores the application of effective problem solving and decision making strategies in the workplace. It examines involvement of stakeholders in decision processes, models for decision making, decision trees, risk analysis, and issues associated with implementation of decisions. *Prerequisite(s): ADE 3301*

ADE 4410 Professional Education Communication (3) (Student Counseling)
This course is designed to develop communication skills required for effective occupational educators working with adults in a variety of postsecondary, workforce development, and military education settings. The course focuses on information and the communication process. Emphasis will be placed on verbal, non-verbal, interpersonal, and written communication. Special attention will be given to working with diverse populations. *Prerequisite(s): ADE 3301*

ADE 4420 History and Development of the Workforce (3)
This course is a study of the origins of adult career education and training in the United States. Students will learn about the pioneers in this field who built the theoretical concepts over time. Those concepts are examined through the lenses of:

- Time and changes in the workplace during the agrarian and craftsman period, early industrialization, the post industrialization period, to current service and technology industries;
- The impact of world events, and the influence of government legislation; and
- The influence of women, minorities, and special needs employees in the workplace.

The course will provide the student a greater appreciation of the breadth and complexity of adult education by focusing on an area often overlooked-Career and Technical Education. *Prerequisite(s): ADE 3301*

ADVERTISING

ADJ 2220 Principles of Advertising (3)
An introduction to the principles and background of advertising, advertising campaigns and the different types of advertising. Special emphasis is given to social, legal, planning and creative aspects.

ADJ 3322 Advertising Copywriting (3)
Principles of advertising psychology studied in relation to the techniques for writing effective copy. *Prerequisite(s): PRJ 2230*

ADJ 3350 **Advertising Sales (3)**
Discussion and practical experience in servicing accounts and selling advertisements. Emphasis on building client relationships and delivering effective sales presentations. *Prerequisite(s): PRJ 2230*

ADJ 4451 **Advertising Media Planning (3)**
Exploration and researching media options, developing a media plan, and learning how to implement the plan. *Prerequisite(s): PRJ 2230*

ANTHROPOLOGY

ANT 2200 **Anthropology**
An examination of human, physical and cultural development using evidence from archaeology, paleontology, genetics, ecology, cultural anthropology and linguistics with emphasis on the historical, structural and symbolic aspects of human culture. This course is prerequisite for all 3300 and 4400 level courses in anthropology. This course does not count toward the 36-hour major.

ANT 3305 **Introduction to Archaeology (3)**
An examination of the methods and theory of traditional and contemporary approaches to archaeological research.

ANT 3310 **Cultural Anthropology (3)**
An anthropological examination of human cultural development and a survey of both contemporary and past human cultures. May be taken for sociology credit.

ANT 3311 **Biological Anthropology (3)**
An examination of the human biological development from the beginning of mankind through the Pleistocene age using evidence from archaeology, paleontology, biology, genetics, and astrology.

ANT 3312 **Field Techniques in Archaeology (3)**
Contact Hours: 6-9
Instruction in survey and excavation methods and techniques used in the discipline of archaeology.

ANT 3315 **The Anthropology of Kinship and Social Structure (3-6)**
Students will be introduced to the basic concepts and major issues in kinship studies, including gender, marriage, social relationships, and descent from a cross-cultural perspective. The course will explore different theoretical approaches to understanding the importance of global kinship practices, variations in kinship practices and gender systems around the world, and the relevance of kinship systems today as new reproductive technologies challenge our traditional ideas on kinship.

ANT 3316 **Introduction of Medical Anthropology (3)**
This course provides a broad overview of the anthropological literature concerning medicine and the body. It largely takes a biocultural approach to exploring related conceptualizations and practices across societies. This course introduces the student to medical anthropology while investigating broader questions about cross-cultural understandings of the body. The course design combines lecture and seminar formats while emphasizing a writing-intensive curriculum. It can be taught by a biological or cultural anthropologist or through team-taught combination. *Prerequisite(s): ANT 2200 or ANT 3310 or ANT 3311*

ANT 3320 **Pre-Colonial History of North American Indians (3)**
An examination of the Native cultures of North America prior to the period of European contact based upon Linguistic, genetic, ethnographic, and archaeological evidence.

ANT 3321 **North American Indians Since Contact (3)**
An examination of Native cultures of North America from the period of European exploration, colonization, and settlement to the present using archaeological, ethnographic, and ethnological studies.

ANT 3322 **Ethnohistory of Colonial Latin America (3)**
This course examines the ethnohistory of colonial Latin America. It broadly covers the period from the fifteenth through the nineteenth century with a focus on the ethnic groups involved in the colonial encounter throughout the region. These groups include people of African, Indigenous, and European descent. With a focus on ethnohistory, there will be an emphasis on Indigenous people and their encounters with the colonial sphere.

ANT 3324 **Food and Culture (3)**
This course will explore the historical foundations of food production. Students will critically examine the current system of food production, and specifically how differential production and access to food have created disparities in health and nutrition. The course will also include an exploration of the Food Justice movement and how it is working to restructure and transform our current system of production.

ANT 3328 **Environmental Archaeology (3)**
This course explores past environments and the methods and evidence used to reconstruct them. Emphasis is placed on the integration of geological, botanical, zoological, and archaeological data used to reconstruct Quaternary climates and environments. A number of issues central to and addressed by environmental archaeologists using plant, animal, and mineral data sets and working within the larger discipline of archaeological anthropology are considered throughout the course.

ANT 3329 **Archaeological Curation Methods (3)**
This course is designed to provide students with practical, hands-on experience in artifact care, management and preservation. Its emphasis is on understanding the discipline of archaeology as a process from pre-field planning through curation such that curation is considered at every stage of the archaeological process. The course will introduce students to curation, conservation, collections, management policies and procedures, and the curatorial tasks associated with managing and preserving archaeological collections (both artifacts and their associated documentation). We will also contemplate ethics and ethical considerations as they relate to archaeological

collections care and management. The majority of the course will be hands-on. Students will work with archaeological collections housed by the Department of Anthropology, Sociology, and Criminology. *Prerequisite(s): ANT 2200, ANT 3305*

ANT 3330 Historical Archaeology (3)
An examination of the historical research methods and archaeological techniques used to investigate and interpret archaeological sites dating from the historic period.

ANT 3333 Human Osteology (3)
An intensive study of the human skeletal system covering the structure, function, growth, and development of human bone as well as methods for the identification and analysis of bone in archaeological and forensic contexts.

ANT 3340 Language in Culture and Society (3)
A sociological and anthropological examination of language from a descriptive, historical and social perspective.

ANT 3360 Magic, Witchcraft and Religion (3)
An anthropological examination of the role of religion and the supernatural among traditional peoples.

ANT 3372 Forensic Anthropology (3)
An introduction to forensic anthropology, the subfield of biological anthropology that focuses on human identification in medicolegal contexts. Topics will include medicolegal death investigation, field recovery, and lab analysis of human skeletal remains.

ANT 3375 Research Methods in Anthropology (3)
The purpose of this course is to provide a structured opportunity to review, learn, and apply quantitative and qualitative anthropological research methods. This course incorporates anthropological examples and theory to assist each student in developing a research question and a general research design report. This course covers a wide variety of methodologies applicable to all four subfields of anthropology (cultural, archaeological, linguistic, and biological). *Prerequisite(s): ANT 2200*

ANT 3376 Anthropological Statistics (3)
A detailed description of what anthropologists do with the information they gather. Inferential and descriptive statistics are discussed in terms of univariate and multivariate methods. Particular attention is paid to issues pertaining to anthropological data (e.g., small sample sizes, missing data, autocorrelation). This course also serves as an introduction to statistical software options frequently used in anthropology research. *Prerequisite(s): STAT 2210 or equivalent, ANT 2200*

ANT 3380 Anthropology Study Abroad (1-3)
Supervised investigation of relevant topics in Anthropology through travel study abroad or within the interior of the United States.

ANT 4410 Ancient Civilizations
An anthropological examination of the sociocultural systems that formed the foundations of pre-industrial high civilizations of the past cultures that achieved this degree of development.

ANT 4411 High Civilizations of the New World (3)
An anthropological examination of the socio-cultural systems that formed the foundations of pre-industrial high civilizations of the New World and a survey of past cultures that achieved this degree of development.

ANT 4412 Advanced Archaeology Lab Techniques (3)
A class designed for students who would like to gain experience in a specific area of archaeological analysis, or students prepared to carry out an independent archaeological research project. Topics may include the examination of archaeological materials, a regional or cultural survey, or research on applying archaeological methods and theory. *Prerequisite(s): ANT 4411*

ANT 4413 Anthropology of Death and Burial (3)
The goal of this course is to provide an anthropological perspective on mortuary studies derived from a study of the death experience. A strong emphasis will be placed on the theoretical foundations of mortuary data, drawn from cultural anthropology and ethnography.

ANT 4414 Anthropology of Time and Transformation (3)
This course examines the anthropology of time with a focus on transformation, the future, and concepts, practices, and classifications regarding temporalities. The course provides students with an overview of the anthropological literature on time and transformation. The course is designed as an undergraduate seminar class with a writing-intensive curriculum and weekly in-class discussions centered around anthropological readings. *Prerequisite(s): ANT 2200 or ANT 3310 or Permission of Instructor*

ANT 4415 Anthropological Perspectives on the Domestication of Plants and Animals (3)
This course focuses on the consequential transition in the human past, specifically, that from hunting and gathering of wild plants and animal food resources to agriculture and pastoralism. The course will cover the emergence of cultivation, the adoption of plants foods, and the domestication of animals in key regions across the globe. The course will also discuss the most recent contributions from disciplines including archaeology, climatology, botany, zoology, genetics, and linguistics to these topics. Utilizing data and ideas from these various disciplines, the course will investigate the processes behind and the regional expressions of the development and spread of domestic plants and animals.

ANT 4422 Principles in Biological Anthropology (3)
This course examines human variation from an evolutionary perspective. We will explore human diversity in terms of genetics, and adaptation at both the individual and population level. The mechanisms and processes of microevolution will be considered, in particular how they influence the diversity that

characterizes the human species. *Prerequisite(s): ANT 3311*

ANT 4423 Anthropology of Climate Change (3)
This course examines in the anthropology of climate change with a focus on Indigenous encounters and responses to related phenomena. The course provides students with an overview of the anthropological literature on climate change and examines how ethnographic fieldwork methods have been used to contribute to interdisciplinary knowledge production concerning climate, ecology, and weather. *Prerequisite(s): ANT 2200 or ANT 3310 or Junior/Senior standing*

ANT 4429 Archaeological Curation Methods II (3)
This course is designed as a continuation of ANT 3329, and will provide students with practical, hands-on experience in artifact care, management and preservation. Its emphasis is on understanding the current crisis in artifact curation experience by the discipline of archaeology, and how it affects the ways collections are used in archaeological research. We will examine and discuss case studies on ethics and consider ethical issues as they relate to archaeological collections care, management and research. The majority of the course will be hands-on, and will involve developing and carrying out a semester-long research design based on a curated collection. Students will work with archaeological collections housed by the Department of Anthropology, Sociology, and Criminology. *Prerequisite(s): ANT 3329*

ANT 4435 Forensic Skeletal Methods (3)
A class designed for students to further develop their osteological skills. This course builds on the content from Human Osteology and covers the basic methodology for estimating sec, age, populational affinity, stature, trauma, and pathology from skeletonized human remains. *Prerequisite(s): ANT 3333*

ANT 4445 Aboriginal Peoples (3)
This course will focus on the ethnography of aboriginal peoples. It will cover such areas of culture as kinship, political systems, social organization, religion, and the interaction between aboriginal people and non-aboriginal people.

ANT 4450 Anthropology of Sex and Gender (3)
This course will focus on gender as a primary organizing principle of society and explore how these categories get created, reproduced and transformed. Topics of discussion will include the social position of women and men in the family, changing social, economic, and political ideologies with respect to gender and the construction and reproduction of gender inequality from a global perspective.

ANT 4455 Paleoanthropology (3)
The course examines the origin and evolution of humans in biological terms, though some consideration is given to developments in material culture and cultural behavior. Emphasis is placed on the fundamentals of paleoanthropological research, evidence of human evolution, trends in human evolution, important fossil finds and sites, and phylogenetic relationships. *Prerequisite(s): ANT 3311*

ANT 4460 Archaeological Method and Theory (3)
Exploration of the methods and techniques used in the curation and analysis of cultural materials recovered from archaeological investigations through the discussion of the history of archaeological thought from the eighteenth century (evolution, cultural history, and processualism) to contemporary theory (postprocessualism and feminism). *Prerequisite(s): ANT 2200, ANT 3305*

ANT 4470 Selected Topics in Anthropology (3)
Anthropological examination of a designated topic of special and/or current interest and importance that is generally not covered in regularly offered courses in the department.

ANT 4485 Archaeology Practicum (3 or 6)
This course will expose students to the process of synthesis in the archaeological method. This process includes the incorporation of field and laboratory methods in archaeology towards accomplishing archaeological research projects.

ANT 4489 Internship in Anthropology (3)
Internship with a recognized, professional anthropology related agency in which the student is assigned specific tasks related to the field of anthropology. *Prerequisite(s): Anthropology Major, ANT 2200; junior/senior classification; 3.0 cumulative GPA, 3.5 major GPA; consultation with department Internship Coordinator*

ANT 4490 Internship in Anthropology (3)
Internship with a recognized, professional anthropology related agency in which the student is assigned specific tasks related to the field of anthropology. *Prerequisite(s): Anthropology Major, ANT 2200; junior/senior classification; 3.0 cumulative GPA, 3.5 major GPA; consultation with department Internship Coordinator*

ANT 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. Guided independent research may be taken only in the applicant's major or minor field.*

ANT 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. Guided independent research may be taken only in the applicant's major or minor field.*

ANT 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

ANT 4494 **Guided Independent Study (1-3)**
Supervised study through field and laboratory projects, guided readings, creative endeavors or achievement of specific skills. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

ANT 4497 **Professional Seminar in Anthropology (3)**
In this course, the advanced anthropology student prepares for the transition to graduate school/career. Career and advanced degree options are explored and discussed. In addition to career exploration, students conduct a senior project in an area of interest consistent with their academic program. *Prerequisite(s): ANT 3305, ANT 3310, ANT 3311, ANT 3340, senior status, or permission of instructor*

ANT 4498 **Anthropological Theory (3)**
This course will focus on the early foundations of Anthropology and a survey of the major theorists in the discipline, emphasizing those who made critical contributions influencing the four subfields of Anthropology. *Prerequisite(s): ANT 3305, ANT 3310, ANT 3311, ANT 3340*

ART AND DESIGN

ART 1133 **Visual Arts (3)**
Visual arts and their relationship to human needs and aspirations. *Note: Credit for this course may not be applied toward any program in art.*

ART 1134 **Honors Visual Arts (3)**
Visual arts and their relationship to human needs and aspirations. Presentation of aesthetic, cultural and social issues related to art and its making. *Note: Credit for this course may not be applied toward any program in art.*

ART 1145 **Foundations of Form and Space (3)**
Introduction to the principles, elements, and concepts of two-dimensional space.

ART 1150 **Foundations of Time and Space (3)**
Introduction to the principles, elements, and concepts of three- and four-dimensional space.

ART 2201 **Introductory Drawing (3-5)**
Introduction to drawing with emphasis on traditional rendering materials and techniques.

ART 2202 **2D Studio I (3-5)**
Fundamental concepts in printmaking. Basic techniques in producing black and white multiples in relief, intaglio, serigraphy and lithography. *Prerequisite(s): ART 1145, ART 2201*

ART 2204 **3D Studio I (3-5)**
Fundamental concepts in pottery and ceramics. Basic techniques in production and free form ceramics to include introduction to hand-building, wheel throwing, and glazing/firing techniques. *Prerequisite(s): ART 1150, ART 2201*

ART 2205 **3D Studio II (3-5)**
Fundamental concepts in sculpture. Emphasis on traditional subtractive and additive techniques in a variety of media. *Prerequisite(s): ART 1150 ART 2201*

ART 2206 **2D Studio II (3-5)**
Fundamental concepts in painting. Basic techniques in application using transparent and opaque painting media. *Prerequisite(s): ART 1145, ART 2201*

ART 2208 **Digital Tools (3)**
This course examines literacy and application of art and design industry-based hardware and software.

ART 2210 **Introduction to Digital Drawing (3)**
A fusion of analog and digital drawing focusing on basic introductory concepts. Technique and best practices are emphasized.

ART 2215 **Art and Design Forum (2)**
An introductory learning community established at the entry level for incoming Art and Design students. This non-media specific course will aid students in discovering their own creative voices while learning how to navigate life in the Department of Art and Design. Students will gain a fundamental understanding of conceptualization, ideation, creative problem solving and processes, critique strategies, and occupational opportunities.

ART 2228 **Photo Studio Darkroom (3-5)**
Introduction to the fundamentals photographic techniques in traditional black and white darkroom photography and contemporary digital photographic techniques and practices. Emphasis on darkroom printing, manual camera controls, compositional elements, digital technologies and photographic history. *Prerequisite(s): ART 1145, ART 2201 or ART 2210*

ART 2230 **Color and Technology (3)**
Introduction to the principles and science of color and color applications in both colorant and digital environments. *Prerequisite(s): ART 1145, ART 2201 or ART 2210*

ART 2250 **Survey of Art History I (3)**
This course examines the development of art from pre-history to the Gothic period. The sessions will focus on the various social and cultural factors that determine the uses and appearance of art at different times.

ART 2251 **Survey of Art History II (3)**
This course examines the development of art from the Renaissance to the Modern period. The sessions will focus on the various social and cultural factors that determine the uses and appearance of art at different times.

ART 2255 **History of Photography (3)**
An examination of the development of photography and its relation to the other visual arts. This course is designed to provide a brief introduction to the history of photography. It outlines major developments in photographic processes, concepts, and criticism; and it presents a selection of well-known photographic images from the 19th, 20th, and 21st centuries. The course will provide students with a basic knowledge of photographic history, theory, and criticism. It will examine how photography has both been influenced by and has also influenced other mediums. (Writing Intensive)

ART 3301 **Life Drawing (3-5)**
Drawing the human form with emphasis on rendering mood and expression while learning skeletal and muscular structure. May be repeated for credit up to six hours. *Prerequisite(s): ART 2201*

ART 3302 **History of the Arts (3)**
An analysis of examples of art from diverse periods with an emphasis on trends and patterns and the interactions of art with various aspects of social, political, and intellectual developments.

ART 3308 **Graphic Design Principles & Practices (3)**
This course explores the principles of graphic design from concept development to final execution.

ART 3310 **Motion Graphics Principles & Practice (3)**
This course is an exploration of graphic design as it is applied to multimedia.

ART 3315 **User Interface Design (3)**
Formal and practical aspects of graphic design as applied to web development, Internet communication, marketing, and advertising.

ART 3318 **Conceptual Drawing (3-5)**
A course in the exploration of image making that expands drawing from direct observation to a more conceptual approach. May be repeated for credit up to six hours. *Prerequisite(s): ART 1145, ART 2201*

ART 3320 **Ancient and Medieval Art (3)**
This course will focus on the art and culture of the ancient Greek and Roman Worlds, and consider how the artistic heritage of Europe during the Medieval Era follows upon and deviates from these earlier eras. An examination of the culture and intellectual traditions of these eras will be incorporated as well, with particular focus on how culture influences the artistic traditions discussed. *Prerequisite(s): ART 2250*

ART 3321 **Renaissance Art History (3)**
This course will explore the visual arts of the Renaissance from the early Renaissance through to Mannerism. Attention will be paid to the Renaissance in Italy, along with issues of patronage, the socio-political and economic context of the artists, and the cultural, intellectual and religious changes occurring at this time. *Prerequisite(s): ART 2251*

ART 3322 **Rococo to Revolution Art History (3)**
This course will examine the visual arts from the Rococo period through to Post-Impressionism. Along the way, we will confront the debates concerning style during the Neo-classical period, the effects of the Revolutionary era and the revolt into artistic individualism during the Romantic period. *Prerequisite(s): ART 2251*

ART 3323 **Modern and Contemporary Art History (3)**
This course provides a detailed study of the visual arts of Europe and America from 1900 to present day. Specific attention will be paid to the changing identity of the artist, dialogues and tensions between "high" art and mass culture, and the success and failure of Modernism. *Prerequisite(s): ART 2251*

ART 3324 **Concept and Process (3)**
This course is an exploration in content development, publishing, research and design for print and digital media. *Prerequisite(s): ART 3308 or permission of department chair*

ART 3325 **Typography (3)**
A study and application of history, design, letterforms, typeface hierarchy, and grids.

ART 3326 **Digital Illustration (3)**
Student will explore the concepts and techniques necessary to create illustrations for use in print, web, and multimedia applications. Various categories of illustration will be addressed (i.e., technical illustration, editorial illustration, charts, maps, icons, and others). Students will also learn of significant illustrators and their contributions to digital image making. *Prerequisite(s): ART 1145, ART 2201, and ART 2230*

ART 3328 **Digital Photo Studio (3-5)**
Intermediate classroom environment based around the exploration and fundamentals of digital color photographic processes. Techniques explored are artistic aspiration, color printing, theoretical research and exploration, digital photography manipulation and editing, studio lighting, photographic history and contemporary topics. *Prerequisite(s): ART 1145, ART 2201, ART 2210, or ART 2230*

ART 3330 **2D Studio III (3-5)**
Advanced concepts in two-dimensional media. Studio focus on specific painting, and mixed media techniques. May be repeated for credit up to six hours. *Prerequisite(s): ART 2206*

ART 3331 **3D Studio III (3-5)**
Advanced concepts in three-dimensional media. Studio focus on specific additive and subtractive techniques in a variety of media. May be repeated for credit up to six hours. *Prerequisite(s): ART 2205*

ART 3340 **Portfolio Design (1)**
Through this course, students will develop a printed, digital and interactive portfolio that expresses their innovation, mastery of skills and ability to research and complete art/design projects. *Prerequisite(s): Must have completed at least 21 credit hours of major*

ART 3342 **The Business of Art/Design (1)**
This course explores the business aspects of the Art and Design Industry and readies students for their transition to the field by providing relevant marketing, entrepreneurial, collaboration, and planning proficiencies. *Prerequisite(s): Must have completed at least 21 credit hours of their major*

ART 3346 **Educational and Psychology Assessment in Fine Arts (3)**
This course provides a broad foundation in all aspects of assessment as it is applied to the P-12 music and art classroom, from learning theory to practical application of assessment techniques, data management, critical thinking, progress reporting and portfolio building. Assessment task design in the artistic response modes is covered, and a series of assessments that can be implemented in the music/art classroom are developed.

ART 3348 **Intermediate Photo Studio (3-5)**
Intermediate photography, which emphasizes a greater knowledge of digital photographic tools and introduction to video exploration. Techniques and processes explored are photography theory and research, video creation and editing, advanced digital composing and manipulation, beginning portfolio work and studio art. *Prerequisite(s): ART 3328*

ART 3350 **Research and Criticism (3)**
This course is a seminar that addresses the study and methodologies of art as it has been interpreted in the modern and post-modern periods. Students must take the semester before taking ART 4499 Thesis Exhibition. *Prerequisite(s): ART 2250, ART 2251*

ART 3355 **Graphic Design History (3)**
Survey of the history of graphic design from prehistoric visual communications to contemporary global issues. *Prerequisite(s): ART 2250, ART 2251*

ART 3360 **Exhibition Techniques (1)**
Student will be introduced to a wide array of techniques for exhibiting and presenting their artwork. Emphasis will be placed on the best industry standards of presenting artwork to targeted audiences including but not limited to galleries, museums, artist representatives, collectors, clients, grant sources, and graduate schools. Prerequisite(s): Must have completed at least 21 credit hours of their major

ART 336 **1Integrating Art into the Curriculum (3)**
Critical and experiential investigation of approaches for integrating visual art into the elementary curriculum. *Prerequisite(s): EDU 3310, EDU 3303*

ART 3375 **Special Topics in Art/Design (3)**
Examination of selected topics in art and design not included in the established curriculum. Content may be of a historical, thematic, or technological nature. May be repeated for credit up to six hours.

ART 3380 **Travel Study in Art/Photography (1-3)**
Supervised investigation of photography and other art media through travel abroad or within the interior of United States. May be repeated for credit.

ART 3390 **Seminar in Art/Design (1-3)**
This seminar course is a periodic supplement to the existing curriculum, allowing for timely and relevant topics or issues that are not fully covered in existing courses. Topics can be practices or theories related to the making of art and design or the education of such.

ART 4424 **Design Studio (3)**
This course will provide the opportunity for students to work alongside of clients in a studio/lab atmosphere to produce design solutions for today's industry. May be repeated for credit up to six hours. *Prerequisite(s): ART 3315 and ART 3324 or permission from the department chair*

ART 4428 **Advanced Photo Studio (3-5)**
Advanced photography classroom emphasizes the preparation and completion of a photographic portfolio and the function of photography online. Students will explore projects established in large format film processing, scanning and printing, advanced theoretical research, historical and con-temporary photograph research, continued video creation and editing and alternative printing processes. *Prerequisite(s): ART 3328*

ART 4430 **2D Studio IV (3-5)**
Content and issues in two-dimensional media on the development of personal artistic expression. Advanced studio practices in printmaking and mixed media techniques with a focus. May be repeated for credit up to six hours. *Prerequisite(s): ART 2202*

ART 4431 **3D Studio IV (3)** ***Contact Hours: 5***
Content and issues in three-dimensional media. Advanced studio practices in ceramics with a focus on the development of personal artistic expression. May be repeated for credit up to six hours. *Prerequisite(s): ART 2204*

ART 4432 **Women in the History of Art (3)**
This course examines the role of gender in the production and reception of works of art. Analyzing a canon of great women artists, how patriarchal systems have affected the way art history has been written and the impact of the feminist movement on artistic production.

ART 4435 **Collaborative Studio (3)**
An integrative art studio experience joining students from each concentration area. Thematic, supervised exploration of a chosen medium. This course will facilitate the comprehensive assessment of student competencies in art portfolio review, core curriculum exam and/or the taking of a standardized art exam, a requirement of all art majors. May be repeated for credit up to six hours. Prerequisite(s): Must be taken upon completion of the twelve hours concentration or have approval of the department chair

ART 4450 **User Experience Design (3)**
A continuing study of "Design for the Internet". Through leveraging new trends and technologies students will explore development concepts such as usability, functionality, modality, and accessibility. *Prerequisite(s): ART 3315*

ART 4472 **Internship in Art Education (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite(s): Admission to TEP. Co-requisite(s): IED 4454 Internship Seminar for Interdisciplinary Education*

ART 4481 **Methods and Materials for the Art Teacher (3)**
Teaching methods, selection, organization, and use of art materials. *Prerequisite(s): ART 3361 and admission to TEP*

ART 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. This course may be repeated 1 to 3 credit hours per course per semester. Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.

ART 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

ART 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may be repeated 1 to 3 credit hours per course per semester. Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.

ART 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

ART 4496 **Internship (3 or 6)**
Experiential learning in the context of an art- or design-related profession. Must be approved by the department chair and cooperating host organization or business. May be repeated for credit up to nine hours.

ART 4498 **Senior Thesis Preparation (1)**
Senior thesis preparation is a course that must be taken the semester before ART 4499 Thesis Exhibition. This course will prepare senior art and design students for their thesis project by careful development of their ideas and concepts.

ART 4499 **Thesis Exhibition (3)**
This class provides students with the opportunity to produce a body of work related to their area of concentration along with a robust research paper. All students must take this course in one of their last two semesters prior to graduation. *Prerequisite(s): ART 3350*

AIR FORCE ROTC/ AEROSPACE

AS 1112 **Heritage and Values (1)**
Is the first of two survey courses designed to introduce students to the Department of the Air Force (DAF) and provides an overview of the basic characteristics, missions, and organization of the Air and Space Forces.

AS L112 **Leadership Laboratory (LLAB) (1)**
Is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Department of Air Force second lieutenants and complement the AFROTC academic program. It is student planned,

organized, and executed practicum conducted under the supervision of the Detachment Commander and Operations Flight Commander.

AS 1113 **Heritage and Values II (1)**
Is the second of two survey courses designed to introduce students to the Department of the Air Force (DAF) and provides an overview of the basic characteristics, missions, and organization of the Air and Space Forces. *Prerequisite(s): AS 1112 (Only required for those students pursing a commission in the Air/Space Force)*

AS L113 **Leadership Laboratory II (1)**
Is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Department of Air Force second lieutenants and complement the AFROTC academic program. It is student planned, organized, and executed practicum conducted under the supervision of the Detachment Commander and Operations Flight Commander. *Prerequisite(s): AS L112 (Only required for those students pursing a commission in the Air/Space Force)*

AS 2212 **Team and Leadership Fundamentals I (1)**
Is the first of two courses designed to provide fundamental understanding of both leadership and team building. The lessons and course flow are designed to prepare students for field training and leadership positions in the detachment. *Prerequisite(s): AS 1113 or permission of department head*

AS L212 **Leadership Laboratory (LLAB) I (1)**
Is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Department of Air Force second lieutenants and complement the AFROTC academic program. It is student planned, organized, and executed practicum conducted under the supervision of the Detachment Commander and Operations Flight Commander. *Prerequisite(s): AS L113 (Only required for those students pursing a commission in the Air/Space Force)*

AS 2213 **Team and Leadership Fundamentals II (1)**
Is the second of two courses designed to provide a fundamental understanding of both leadership and team building. The lessons and course flow are designed to prepare students for field training and leadership positions in the detachment. *Prerequisite(s): AS 2212 (Only required for those students pursing a commission in the Air/Space Force)*

AS L213 **Leadership Laboratory (LLAB) II (1)**
Is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Department of Air Force second lieutenants and complement the AFROTC academic program. It is student planned, organized, and executed practicum conducted under the supervision of the Detachment Commander and Operations Flight Commander. *Prerequisite(s): AS L212 (Only required for those students pursing a commission in the Air/Space Force)*

AS 3312 **Leading People and Effective Communication I (3)**
Is the first of two courses designed to utilize student's field training experience to take a more in-depth look at leadership. Special emphasis is placed on enhancing communication skills, and why that is important as a leader. Students have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors. *Prerequisite(s): AS 2213 (Only required for those students pursing a commission in the Air/Space Force)*

AS L312 **Leadership Laboratory (LLAB) I (1)**
Is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Department of Air Force second lieutenants and complement the AFROTC academic program. It is student planned, organized, and executed practicum conducted under the supervision of the Detachment Commander and Operations Flight Commander. *Prerequisite(s): AS L213 (Only required for those students pursing a commission in the Air/Space Force)*

AS 3313 **Leading People and Effective Communication II (3)**
Is the second of two courses designed to utilize student's field training experience to take a more in-depth look at leadership. Special emphasis is placed on enhancing communications skills, and why that is important as a leader. Students have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors.

AS L313 **Leadership Laboratory (LLAB) II (1)**
Is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Department of Air Force second lieutenants and complement the AFROTC academic program. It is student planned, organized, and executed practicum conducted under the supervision of the Detachment Commander and Operations Flight Commander. *Prerequisite(s): AS L312 (Only required for those students pursuing a commission in the Air/Space Force)*

AS 4412 **National Security and Preparation for Active Duty I (3)**
Is the first of two courses designed for college seniors and provides them the foundation to understand their role as military officers and how they are directly tied to our National Security Strategy. It is an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level. *Prerequisite(s): AS 3313*

AS L412 **Leadership Laboratory (LLAB) I (1)**
Is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Department of Air Force second lieutenants and complement the AFROTC academic program. It is student planned, organized, and executed practicum conducted under the supervision of the Detachment Commander and Operations Flight Commander. *Prerequisite(s): AS*

L313 (Only required for those students pursing a commission in the Air/Space Force)

AS 4413 **National Security and Preparation for Active Duty II (3)**
Is the second of two courses designed for college seniors and provides them the foundation to understand their role as military officers and how they are directly tied to our National Security Strategy. It is an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level. *Prerequisite(s): AS 4412*

AS L413 **Leadership Laboratory (LLAB) II (1)**
Is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Department of Air Force second lieutenants and complement the AFROTC academic program. It is student planned, organized, and executed practicum conducted under the supervision of the Detachment Commander and Operations Flight Commander. *Prerequisite(s): AS L412 (Only required for those students pursing a commission in the Air/Space Force)*

AMERICAN SIGN LANGUAGE

ASL 1141 **American Sign Language I (3)**
Initial course in the four-course sign language developmental sequence which exposes students to American Sign Language at a Survival Level and will increase their knowledge of Deaf Culture. The course is designed for students who have had no previous knowledge of sign language.

ASL 1142 **American Sign Language II (3)**
The second course in the ASL sequence in which students continue to develop ASL proficiencies in lexicon, sign production, use of sentence types, and grammatical features such as use of classifiers, use of space to compare and contrast, mouth morphemes, and locatives. Outside interaction with the deaf community is required. *Prerequisite(s): ASL 1141 with a grade of "C" or better or departmental permission based on approved fluency assessment*

ASL 1160 **Visual/Gestural Communication (2)**
An overview of visual and gestural communication working toward the goal of being able to express and perceive non-linguistic information about everyday objects, family structure, employment and more complex concepts such as rights and responsibilities. *Prerequisite(s): ASL 1141 with a grade of "C" or better*

ASL 1170 **ASL Semantics and Structure (2)**
An advanced exploration of American Sign Language morphology, semantics and vocabulary expansion. Students also explore various syntactic structures in ASL. *Prerequisite(s): ASL 1141 with a grade of "C" or better*

ASL 2230 **ASL Classifiers and Depiction (2)**
This course provides theory and practice using the complex ASL morphology known as Classifiers, which are commonly used for descriptions of settings, participants and actions *Prerequisite(s): ASL 2241 with a grade of "C" or better*

ASL 2241 **American Sign Language III (3)**
This course builds on skills and knowledge acquired in ASL I and II and focuses on building narrative skills. Students move from an informal to more formal style of signing. Interacting with the deaf community is a required activity. Students should be able to demonstrate intermediate to intermediate plus level conversational skills. *Prerequisite(s): ASL 1142 with a grade of "C" or departmental permission based on approved fluency assessment.*

ASL 2242 **American Sign Language IV (3)**
This course builds on the previous ASL courses by increasing expressive and receptive skills with exposure to a wide variety of signing styles. Students will begin text analysis, be introduced to deaf literature, story-telling and signed poetry. *Prerequisite(s): ASL 2241 with a grade of "C" or better or departmental permission based on approved fluency assessment.*

ASL 2250 **Advanced American Sign Language (3)**
This course provides students with opportunities to expand expressive and receptive use of ASL, including a variety of special topics at an advanced level. Special emphasis is on increasing spatial use, ASL fluency and nonmanual behaviors. Students are given opportunities to increase expressive and receptive skills through activities and class discussions, including a variety of special topics at an advanced level. Special emphasis is on understanding the importance of spatialization, nonmanual grammar and morphology, and discourse features of ASL such as register and academic language use. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, or ASL 2242 with a grade of C or better, or permission of ITP Academic Advisor.*

ASL 2252 **American Sign Language Fingerspelling (3)**
This course is taught using American Sign Language. The course will introduce the students to the American manual alphabet of fingerspelling and its use within American Sign Language. The students will be given opportunities to demonstrate increased ability to accurately produce and comprehend ASL number systems and fingerspelling uses. Extensive drills and practice in both receptive and expressive use will be implemented. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, or ASL 2242 with a grade of C or better, or permission of ITP Academic Advisor.*

ASL 3310 **Deaf Culture and Diverse Populations (3)**
An exploration of linguistic, social, and ethnic factors that influence attitudes and beliefs among various segments of both deaf and non-deaf communities. Attention will be paid to "deaf plus" populations that simultaneously identify as both deaf and some other socio-cultural identity. Geographical, generational, ethnic, and gender differences are explored. *Prerequisite(s): ITP 2200 and ASL 2242 with grades of "C" or better*

ASTRONOMY

ASTR 3301 Extragalactic Astronomy (3)
This course is an in-depth exploration of our current understanding of the Milky Way, external galaxies (morphology, observational measurements, evolution, composition, etc.), large-scale structure of the Universe (based on observations and simulations, including evidence for dark matter), active galactic nuclei (supermassive black holes, both active and inactive), and cosmological theories (big bang, cosmic microwave background, modified gravity, etc.). *Prerequisite(s): MTH 1125, PHY 2262, PHY L252*

ASTR 3326 Introduction to Astrophysics (3)
This course is meant as an introduction to astrophysics. Topics include astronomical measurement, celestial mechanics, electromagnetic radiation, stellar structure and evolution and stellar remnants. *Prerequisite(s): PHY 2263, MTH 1126*

ASTR 3328 Introduction to Cosmology (3)
In this introductory course on physical Cosmology, students will learn about the modern theories of origin of the universe and the evidence that support it. Topics covered include the large-scale structure of the universe, the cosmic microwave background radiation, dark matter, dark energy, and other open problems in cosmology. *Prerequisite(s): MTH 1126, PHY 3310*

ASTR 4401 Astronomy Capstone (3)
This course is an in-depth exploration of astrophysical research topics and methods. Specific topics will vary, but all will include observations. This can involve completing a proposal for competitive observing time on a research-grade telescope and/or analysis of data from a research observatory. Students will also conduct scientific writing of their results in addition to familiarization with the relevant literature to their research topic. *Prerequisite(s): MTH 1125, PHY 2262*

ATHLETIC TRAINING

Note: All AT courses require acceptance into the MSAT program

AT 4404 Introduction to Clinical Experience (2-3)
Introduction to the practice of basic components of the athletic training profession including the prevention, recognition, evaluation and immediate care of athletic injuries. Components of the health care team, evidence-based practice, medical terminology, emergency procedures, taping/bracing procedures and documentation will be covered. This course contains a clinical experience component for application of taping/bracing skills. *Prerequisite(s): Acceptance into the MSAT program*

AT 4407 Health Care Management & Quality Improvement (2)
This course focuses on fundamental principles of administration and evaluation of the delivery of athletic training services in the context of the larger health care system. Strategies to achieve the best patient outcomes by collecting, analyzing, and effecting change using qualitative and quantitative information will be emphasized. *Prerequisite(s): Acceptance into the MSAT program*

AT 4409 Professional Practice in Athletic Training (1)
The advanced study, writing, and discussion of specialized topics and contemporary issues related to professional practice. Emphasis will be on professional preparation, leadership, credentialing, governance, ethics, and scope of practice. *Prerequisite(s): Acceptance into the MSAT program*

AT 4411 Examination & Therapeutic Management I (4)
The study of athletic training competencies as they relate to the evaluation of athletic-related injuries. In this class, students will learn basic principles and underlying theories relating to examination and treatment techniques and apply them to examination. *Prerequisite(s): Acceptance into the MSAT program*

AT 4415 Foundations of Athletic Training (2)
Continuation of the basic components of the athletic training profession including the prevention, recognition, evaluation, and immediate care of athletic injuries; fitness and wellness; nutrition; and mental health. Medical terminology, emergency procedures, tissue healing, environmental conditions, documentation, and professional considerations will also be covered. *Prerequisite(s): Acceptance into the MSAT program. Co-requisite(s): AT L415*

AT 4420 Research & Analysis in Sports Medicine (3)
This course is designed to introduce students' theoretical understanding of the profession, enhance their critical thinking ability, increase their writing skills, and advance the knowledge of the discipline. Students will learn about the design of a research proposal, including the identification of a problem, conducting a literature review, developing a hypothesis, understanding the steps of submitting to an Institutional Review Board, designing a study, and analyzing data using statistical software programs. *Prerequisite(s): Acceptance into the MSAT program*

BIOLOGY

BIO 1100 Principles of Biology (3)
Biological principles including the evolution of life, cell structure and function, human biology, cell reproduction, heredity, and ecology. Credit for this non-majors course cannot be applied toward any curriculum in biology. *Co-requisite(s): BIO L100*

BIO L100 Principles of Biology Lab (1)
Contact Hours: 2
Labs include coverage of scientific methods, measurements, microscopy, cell structure, human biology, cell reproduction, heredity, and ecology. Credit for this non-majors course cannot be applied toward any curriculum in biology. *Co-requisite(s): BIO 1100*

BIO 1101 Organismal Biology (3)
Biological concepts and life processes of protists, fungi, plants, and animals. *Prerequisite(s): BIO 1100/BIO L100. Co-requisite(s): BIO L101*

BIO L101 **Organismal Biology Lab (1)** ***Contact Hours: 2***
Survey of organisms from selected phyla, including anatomy, phylogeny, and life histories. *Prerequisite(s): BIO 1100/BIO L100. Co-requisite(s): BIO 1101*

BIO 1111 **Human Biology and Chemistry for Nursing (3)**
This course will introduce students to cell structure and function, basic chemistry, basic genetics, and introductory anatomy and physiology.

BIO L111 **Human Biology and Chemistry for Nursing Lab (1)**
A laboratory course designed to provide students with a hands-on opportunity to study major biological concepts including the following: scientific method, measurements, microscopy, cell structure, human biology, and cell reproduction.

BIO 1120 **Survey of Environmental Sciences (3)**
This course is an overview of the Earth's abiotic and biotic systems with an emphasis on how human activity influences these systems. Included in this course will be lectures on ecology, environmental health, natural resources, energy, pollution, and environmental monitoring. If a student drops the lab (BIO L120), then the student MUST also drop the lecture (BIO 1120). *Co-requisite(s): BIO L120*

BIO L120 **Survey of Environmental Sciences Lab (1)**
This course includes Lab/Field-oriented experiences designed to enhance understanding of environmental concepts and issues. If a student drops the lecture (BIO 1120), then the student MUST also drop the lab (BIO L120). *Co-requisite(s): BIO 1120*

BIO 2205 **Career Opportunities in Medicine and Allied Health Professions (1)**
An introduction to medicine and allied health professions, including academic requirements, job opportunities, and future trends. Professionals from different fields will discuss their specialties to provide students with realistic perspectives.

BIO 2220 **Principles of Cell Biology (3)**
Introduction to cell structure and function with emphasis on organelle structure, metabolism, cell cycle, genetics, and gene function. *Prerequisite(s): BIO 1100/BIO L100, CHM 1142/CHM L142; Credit will not be given toward major/program if taken at same time or after BIO 3320 and BIO 4482*

BIO L220 **Principles of Cell Biology Lab (1)**
Laboratory studies of cell biology with an emphasis on cell structure, function, experimental techniques, and data collection and analyses. *Prerequisite(s): BIO 1100/BIO L100; Credit will not be given toward major/program if taken at same time or after BIO L320 and BIO L482.*

BIO 2229 **General Ecology (3)**
The relationships of living organisms to one another and to the nonliving environment. Basic ecological concepts with the emphasis on bioenergetics, limiting factors, adaptation to a changing environment, the niche, ecological pyramids, and succession. *Prerequisite(s): BIO 1101/BIO L101. Co-requisite(s): BIO L229*

BIO L229 **General Ecology Lab (1)**
Contact Hours: 3
Introduction to the terminology, procedures and equipment for sampling biotic and abiotic components of ecosystems, the functional and dynamic features of ecosystems, and biotic interactions. *Prerequisite(s): BIO 1101/BIO L101. Co-requisite(s): BIO 2229*

BIO 2230 **Introductory Anatomy and Physiology I (3)**
This course is designed to provide pre-nursing students a solid, basic understanding of anatomy and physiology. The format of the course is to combine descriptions of anatomy with explanations of how structures function and examples of how they work to maintain life. Also, included in this course are discussions of how the systems respond to aging, changes in physical activity, and disease, with a special focus on homeostasis and the regulatory mechanisms that maintain it. This course covers topics such an orientation to the human body, basic chemistry, cells/transport mechanisms, basic human tissues, integumentary system, skeletal system, muscular system, nervous system, and special senses. Note: Credit will not count toward a major or minor in the biological sciences. *Prerequisite(s): BIO 1111 or any other science course. Co-requisite(s): BIO L230*

BIO L230 **Introductory Anatomy and Physiology I Lab (1)**
This course is designed to provide pre-nursing students develop a solid, basic understanding of anatomy and physiology. The format of the course is to combine descriptions of anatomy with explanations of how structures function and examples of how they work to maintain life. Also, included in this course are discussions of how the systems respond to aging, changes in physical activity, and disease, with a special focus on homeostasis and the regulatory mechanisms that maintain it. This course covers topics such as an orientation to the human body, basic chemistry, cells/transport mechanisms, basic human tissues, integumentary system, skeletal system, muscular system, nervous system, and special senses. Hands-on activities are incorporated into the lab. Note: Credit will not count toward a major or minor in the biological sciences. *Prerequisite(s): BIO 1111, BIO L111. Co-requisite(s): BIO 2230*

BIO 2240 **Introductory Anatomy and Physiology II (3)**
This course is designed to provide pre-nursing students develop a solid, basic understanding of anatomy and physiology. The format of the course is to combine descriptions of anatomy with explanations of how structures function and examples of how they work to maintain life. Also, included in this course are discussions of how the systems respond to aging, changes in physical activity, and disease, with a special focus on homeostasis and the regulatory mechanisms that maintain it. A&P II covers the endocrine, hematologic, cardiovascular, respiratory, digestive, lymph/immune, urinary, and reproductive systems. *Note: Credit will not count toward a major or minor*

in the biological sciences. Prerequisite(s): Any science course. Co-requisite(s): BIO L240

BIO L240 Introductory Anatomy and Physiology II Lab (1)
This course is designed to provide pre-nursing students develop a solid, basic understanding of anatomy and physiology. The format of the course is to combine descriptions of anatomy with explanations of how structures function and examples of how they work to maintain life. Also, included in this course are discussions of how the systems respond to aging, changes in physical activity, and disease, with a special focus on homeostasis and the regulatory mechanisms that maintain it. This course covers the endocrine, hematologic, cardiovascular, respiratory, digestive, lymph/immune, urinary, and reproductive systems. Hands-on activities are incorporated into the lab. *Note: Credit will not count toward a major or minor in the biological sciences. Co-requisite(s): BIO 2240*

BIO 2272 Non-Majors Microbiology (3)
To introduce students to basic concepts of microbiology; including anatomy and growth of bacteria, microbial metabolism, diseases caused by them, and interrelationships of micro-organisms with the environment/host. The emphasis of the course will be on medical microbiology, disease control and public health. *Co-requisite(s): BIO L272*

BIO L272 Non-Majors Microbiology Lab (1)
This course provides hands-on experience to strengthen and supplement the basic concepts of microbiology taught in the lecture such as the fundamentals of aseptic technique, microscopy, staining procedures, isolation techniques, chemical control of microorganisms, specimen collection, and interpretation of various biochemical tests. *Note: Credit will not count toward a major or minor in the biological sciences. Prerequisite(s): BIO 1111/BIO L111; or BIO 1100/BIO L100; BIO 1101/BIO L101; or CHM 1142/CHM L142. Co-requisite(s): BIO 2272*

BIO 3307 Invertebrate Zoology (3)
Major and minor phyla of invertebrates with emphasis on anatomy, classification, life histories, and phylogeny. *Prerequisite(s): BIO 1101/BIO L101. Co-requisite(s): BIO L307*

BIO L307 Invertebrate Zoology Lab (1)
Contact Hours: 3
Anatomy, classification, and life histories of invertebrates. *Prerequisite(s): BIO 1101/BIO L101. Co-requisite(s): BIO 3307*

BIO 3315 Introduction to Biostatistics (3)
An important part of the scientific process consists in extracting information from the world by gathering and analyzing data. This course is an introduction to experimental design, data handling skills, and statistics, the three cornerstones of what could be called the "data science triangle." In addition to the introduction of fundamental concepts such as probability, P-value and confidence interval, a selection of commonly used parametric and non-parametric statistical tests is presented. *Prerequisite(s): MTH 1112 or higher*

BIO 3320 Genetics (3)
Principles of heredity, from basic Mendelian concepts through molecular genetics. *Prerequisite(s): BIO 2220 and CHM 1143/CHM L143*

BIO L320 Genetics Lab (1)
Basic laboratory techniques in genetics, including the genetics of common laboratory organisms. *Prerequisite(s): BIO 2220/BIO L220 and CHM 1143/CHM L143*

BIO 3325 Plant Form and Function (3)
The development, structure, and function of plant tissues and organs. Primary emphasis on anatomical, morphological, and physiological features of angiosperms. *Prerequisite(s): BIO 1101/BIO L101. Co-requisite(s): BIO L325*

BIO L325 Plant Form and Function Lab (1)
Contact Hours: 3
The development, structure, and function of plant tissues and organs, with the primary emphasis on structures. *Prerequisite(s): BIO 1101/BIO L101. Co-requisite(s): BIO 3325*

BIO 3328 Environmental Pollution and Control (3)
Sources, effects, and methods of control for air, water, land, and noise pollution. *Prerequisite(s): BIO 2229/BIO L229, CHM 1143/CHM L143. Co-requisite(s): BIO L328*

BIO L328 Environmental Pollution and Control Lab (1)
Contact Hours: 3
Field and laboratory techniques for air, water, land, and noise pollution. *Prerequisite(s): BIO 2229/BIO L229, CHM 1143/CHM L143. Co-requisite(s): BIO 3328*

BIO 3335 Biogeography (4)
Discussion of historical, ecological, and anthropic factors affecting the worldwide distribution and abundance of biological species, communities and ecosystems. Combination of lectures by instructor, presentation by students and discussion of articles from the primary literature, ecological modelling, and field trips on the biogeography of plants and birds of Alabama. *Prerequisite(s): BIO 1100 and BIO L100 or permission of the instructor*

BIO 3340 Evolution (3)
Evolution is the fundamental unifying theory in biology. The course will introduce the major principles of evolutionary biology such as evolutionary genetics, adaption and natural selection, biological diversity, paleobiology and macroevolution. *Prerequisite(s): Junior standing or permission of instructor*

BIO L342 Biotechniques (2)
Laboratory studies of cell biology, genetics and molecular biology with an emphasis on instrumentation and lab techniques. Labs will include the investigation of cell anatomy/function, genetics and molecular biology. *Prerequisite(s): BIO 2220*

BIO 3347 Human Anatomy and Physiology I (3)
Anatomical terminology, a survey of cell types and tissues, and detailed coverage of the integumentary, skeletal, muscular, and nervous systems of humans. *Prerequisite(s): BIO 1100/BIO L100, BIO 2220, CHM 1142/CHM L142. Co-requisite(s): BIO L347*

BIO L347 Human Anatomy and Physiology I Lab (1) ***Contact Hours: 3***
Anatomical terminology, a survey of cell types and tissues, and detailed coverage of the integumentary, skeletal, muscular, and nervous systems of humans. *Prerequisite(s): BIO 1100/BIO L100, BIO 2220, CHM 1142/CHM L142. Co-requisite(s): BIO 3347*

BIO 3348 Human Anatomy and Physiology II (3)
The endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems of humans. *Prerequisite(s): A grade of C or better in BIO 3347/BIO L347. Co-requisite(s): BIO L348*

BIO L348 Human Anatomy and Physiology II Lab (1) ***Contact Hours: 3***
The endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems of humans. *Prerequisite(s): A grade of C or better in BIO 3347/BIO L347. Co-requisite(s): BIO 3348*

BIO 3372 Microbiology (3)
Fundamentals of microbiology including historical perspectives, anatomy and growth of bacteria, microbial metabolism, diseases caused by them, and interrelationships of microorganisms with the environment. *Prerequisite(s): BIO 1100/BIO L100, BIO 2220 and CHM 1142/CHM L142. Co-requisite(s): BIO L372*

BIO L372 Microbiology Lab (1) ***Contact Hours: 3***
Fundamentals of microscopy, sterile techniques, staining procedures, isolation techniques, identification of unknowns, and biochemical tests. *Prerequisite(s): BIO 1100/BIO L100, BIO 2220, CHM 1142/CHM L142. Co-requisite(s): BIO 3372*

BIO 3382 Immunology (3)
The cellular and humoral system involved in the host response and immunity of organisms to foreign substances. Mechanisms of humoral immunity, cellular immunity, and hypersensitivities. *Prerequisite(s): BIO 3372/BIO L372, CHM 3342/CHM L342. Co-requisite(s): BIO L382*

BIO L382 Immunology Lab (1) ***Contact Hours: 3***
Analysis of immunological techniques used in research and clinical settings. *Prerequisite(s): BIO 3372/BIO L372, CHM 3342/CHM L342. Co-requisite(s): BIO 3382*

BIO 3386 Hematology (3)
The study of blood cells and blood-forming organs under normal and diseased states. *Prerequisite(s): BIO 3320/BIO L320, BIO 3372/BIO L372, CHM 3342/CHM L342. Co-requisite(s): BIO L386*

BIO L386 Hematology Lab (1) ***Contact Hours: 3***
Cytological and instrumental analyses of blood cells and blood forming organs. Hematological analysis of normal and diseased states. Introduction to blood-banking procedures. *Prerequisite(s): BIO 3320/BIO L320, BIO 3372/BIO L372, CHM 3342/CHM L342. Co-requisite(s): BIO 3386*

BIO 4405 - Entomology (4)
Orders of insects with the emphasis on morphology, taxonomy, and life cycles. *Prerequisite(s): BIO 1101/BIO L101*

BIO 4406 Dendrology (4)
Dendrology is a field and laboratory investigation of ecologically and commercially important species of trees, shrubs, and woody vines in the United States with a particular focus on native and naturalized taxa in the Southeast. The roles of the arborescent species in shaping the natural communities and ecoregions of Alabama will be emphasized. *Prerequisite(s): BIO 2229/BIO L229 or permission of instructor*

BIO 4407 Advanced Cell Biology (3)
Cell structure and function with the emphasis on biochemical and molecular mechanisms. Topics include cell division, movement, differentiation, and recognition. *Prerequisite(s): BIO 3320, BIO 3372/BIO L372, CHM 3343/CHM L343. Co-requisite(s): BIO L407*

BIO L407 Advanced Cell Biology Lab (1)
Experimental approaches for studying cells at the biochemical and molecular levels. *Co-requisite(s): BIO 4407*

BIO 4411 Animal Nutrition (3)
Fundamentals and applied aspects of animal nutrition including classification and function of nutrients, nutrient requirements and deficiency symptoms, digestive processes and physiology of food assimilation, characterization of feedstuffs, and formulation of diets for domestic animals. The principles apply to all mammalian and avian species, but there will be an emphasis on swine, beef cattle, dairy cattle, poultry, and horses. *Prerequisite(s): BIO 1100/L100 and CHM 1143/ L143*

BIO 4413 Limnology (3)
The physical, chemical, geological, and biological aspects of freshwater ecosystems as influenced by activities in surrounding watersheds. *Prerequisite(s): BIO 2229/BIO L229, CHM 1143/CHM L143. Co-requisite(s): BIO L413*

BIO L413 Limnology Lab (1) ***Contact Hours: 3***
Field and laboratory exercises in lake and stream science, including instrumentation, measurement, sampling, and analysis. *Prerequisite(s): BIO 2229/BIO L229, CHM 1143/CHM L143. Co-requisite(s): BIO 4413*

BIO 4414 Food Microbiology (3)
This course focuses on topics in microbial metabolism, food spoilage, food preservation techniques, and foodborne pathogens and their control. Some molecular techniques will be introduced. *Prerequisite(s): BIO 3372/BIO L372. Co-requisite(s): BIO L414*

BIO L414 **Food Microbiology Lab (1)**
This lab focuses on advanced microbiological laboratory techniques including enumeration and analysis of bacteria in food, water, and dairy products. *Prerequisite(s): BIO 3372/BIO L372. Co-requisite(s): BIO 4414*

BIO 4416 **Microbial Ecology (3)**
A study of the diversity and ecology of microbial populations in ecosystems, with the emphasis on the roles they play in biogeochemical cycles, their contributions to metabolic diversity, their interactions with animals and plants, their niches and bioremediation. *Prerequisite(s): BIO 3372/BIO L372, CHM 3342/CHM L342. Co-requisite(s): BIO L416*

BIO L416 **Microbial Ecology Lab (1)**
Contact Hours: 3
A study of the diversity and ecology of microbial populations in ecosystems, with the emphasis on the roles they play in biogeochemical cycles, their contributions to metabolic diversity, their interactions with animals and plants, their niches and bioremediation. *Prerequisite(s): BIO 3372/BIO L372, CHM 3342/CHM L342. Co-requisite(s): BIO 4416*

BIO 4418 **Food Laws and Regulations (3)**
Introduction to federal, state and local laws pertaining to food safety and sanitation, proper food preservation and labeling, environmental and occupational regulations, Federal Trade Commission regulations, Kosher and Halal food laws, and topics in biotechnology. *Prerequisite(s): BIO 3372/BIO L372. Co-requisite(s): BIO 4414/BIO L414*

BIO 4420 **Field Vertebrate Zoology (4)**
Contact Hours: 7
The basics of vertebrate identification, with emphasis on phylogeny, anatomy, morphology, life histories, habitats, distributions, and conservation. *Prerequisite(s): BIO 1101/BIO L101, CHM 1143/CHM L143*

BIO 4421 **Population Ecology (3)**
Animal and plant populations, food supply, competition, disease, fecundity, distribution, and other environmental factors. Management of endangered species and protected ecosystems are included. *Prerequisite(s): BIO 2229/BIO L229, CHM 1143/CHM L143, STAT 2210. Co-requisite(s): BIO L421*

BIO L421 **Population Ecology Lab (1)**
Contact Hours: 3
Field exercises in identifying ecological problems, formulating and testing hypotheses, and evaluating data using standard statistical methods. *Prerequisite(s): BIO 2229/BIO L229, CHM 1143/CHM L143, STAT 2210. Co-requisite(s): BIO 4421*

BIO 4422 **Introduction to Conservation Biology (3)**
Introduction to the principles, practices, and philosophy of measuring, maintain, and enhancing biological diversity. Topics covered will include patters of biodiversity and extinction, causes of extinction and population declines, techniques used to restore populations, landscape level conservation planning, and the role of conservation in protecting ecosystem services. *Prerequisite(s): BIO 2229/BIO L229, BIO 3320/BIO L320 or equivalent undergraduate courses*

BIO 4423 **Neurobiology (4)**
This undergraduate course is a comprehensive study of the biology of the human nervous system. This course introduces the anatomy and physiology of the central and peripheral divisions of the nervous system. Topics include: neuronal function, synaptic transmission, sensory processing, movement, and clinical disorders of the nervous system. *Prerequisite(s): BIO 3348/BIO L348, BIO 3372/BIO L372*

BIO 4425 **Field Botany (4)**
Contact Hours: 7
Survey of vascular plants from different habitats in southeast Alabama. Principles of plant taxonomy, including history and systems of classification and nomenclature, the use of dichotomous keys, and general herbarium techniques. Emphasis is placed on plant identification and habitat types. *Prerequisite(s): BIO 2229/BIO L229*

BIO 4431 **Human Genomics and Bioinformatics (3)**
The course will introduce the students to the field of genomics, how genome sequence data is obtained and analyzed, what can be learned from an individual's genome, how mining the genome can uncover the basis of disease susceptibility and treatment of many human diseases. The course will introduce students to a variety of NCBI-and web-based computational tools for solving common problems in biological research and address cutting-edge research in epigenetics, pharmacogenomics, genetic testing, genome editing, and microbiome. *Prerequisite(s): BIO 3320*

BIO 4437 **Epidemiology (3)**
The course is aimed to provide knowledge about the main concepts of epidemiology, ethics in epidemiological research, the epidemiological definitions of association and frequency, the measurements of disease frequency, mortality data, and health impacts, descriptive and analytical studies, surveillance and prevention, outbreak investigations, the aspects of air and water pollution, the risk assessment and precautionary principle the basics of radiation biology and the growing importance of ecological studies and environmental epidemiology in public health. *Prerequisite(s): BIO 3372/BIO L372*

BIO 4438 **Advanced Biostatistics (3)**
This course aims at introducing a range of powerful statistical methods applicable to many research problems in Biology and indispensable to the toolbox of researchers, including generalized linear models, linear mixed-effect models, and model selection. In addition, the course will develop the student's ability to manipulate, analyze, and visualize real-world complex data sets using the statistical software R. *Prerequisite(s): BIO 3315 or a demonstrable solid knowledge of basic statistics and at least some basic knowledge of the statistical software R.*

BIO 4440 Plants of Social Significance (3)
Plants which affected or altered history with emphasis on those which are the source for food, medical, and cultural drugs, beverage production, and poisonous plants.

BIO 4447 Ornithology (4)
Ecology, evolution, and conservation of birds. Topics include origin and diversification of birds, seasonal migrations, bird communities, and the consequences of global change for bird diversity. Labs are integrated and include field trips for the observation and identification of birds. *Prerequisite(s): BIO 1101/BIO L101, BIO 2229/BIO L229, or permission of the instructor*

BIO 4449 Biotechnology (3)
Advanced studies in genetics with emphasis on cytogenetics, microbial genetics, and molecular genetics. *Prerequisite(s): BIO 3320/BIO L320, BIO 3372/BIO L372, CHM 3343/CHM L343. Co-requisite(s): BIO L449*

BIO L449 Biotechnology Lab (1)
Methods and procedures used in the study cytogenetics, microbial genetics, and molecular genetics. *Prerequisite(s): BIO 3320/BIO L320, BIO 3372/BIO L372, CHM 3343/CHM L343. Co-requisite(s): BIO 4449*

BIO 4451 Toxicology (3)
Principles related to the adverse effects of chemicals on living organisms. *Prerequisite(s): CHM 3342/CHM L342, and BIO 3348/BIO L348*

BIO L451 Toxicology Lab (1-3)
Assessment of the toxicity of chemical agents following standard protocols. *Prerequisite(s): CHM 3342/CHM L342 and BIO 3348/BIO L348*

BIO 4453 Biogeography (3)
This course provides a general review of the historical, ecological, and anthropic factors (such as plate tectonics, glacial-interglacial cycles, soil, climate, topography, biotic interactions, and climate change) affecting the geographic distribution and abundance of animals and plants, with an emphasis on mammals, birds, and their habitats. The course includes lectures by the instructor and discussion of articles from the primary literature. *Prerequisite(s): BIO 2229/BIO L229 or permission of the instructor. Co-requisite(s): BIO 4454*

BIO 4454 Biogeography Field Study (2)
An introduction to the distribution of flora and fauna across the ecoregions of Alabama, the fifth most biodiverse state in America, gained through immersion in selected natural areas. Discussions and student presentations focus on natural community and species assemblages with an emphasis on adaptions of flora and fauna to different environments. *Six Saturday field trips are required. Prerequisite(s): BIO 2229/BIO L229 or permission of the instructor. Co-requisite(s): BIO 4453*

BIO 4455 Clinical Pathophysiology I (3)
An objective-oriented, problem-solving introduction to general disease processes including mechanisms of health and disease, disorders of organ systems, and developmental disorders. *Prerequisite(s): CHM 3352/CHM L352, BIO 3348/BIO L348, BIO 3372/BIO L372. Co-requisite(s): BIO L455*

BIO L455 Clinical Pathophysiology I Lab (1)
This course addresses normal and abnormal macroscopic and microscopic structures, provides students with the opportunity for detailed study of various aspects of pathology, understanding of basic specimen collection, labeling, handling protocols practical, and theoretical basis for laboratory test selection and interpretation. *Prerequisite(s): CHM 3352/CHM L352, BIO 3348/BIO L348, BIO 3372/BIO L372. Co-requisite(s): BIO 4455*

BIO 4456 Virology (3)
This course is aimed to provide knowledge about viruses and their both harmful and potentially beneficial properties for human health, as well as viral diseases of veterinary and agricultural importance. Students will study classification and nomenclature of viruses, their structure, virus structure, virus-cell interaction, virus replication cycles; attachment and entry of viruses into cells, assembly and exit of virions from cells. Students will learn about viruses that are associated with enteric and respiratory diseases, nerve system disease, sexually transmitted diseases, cancers and blood malignancies, zoonoses and emerging human viral infections as well as viral diseases of veterinary and agricultural importance. *Prerequisite(s): BIO 4482/BIO L482 or taking simultaneously in the semester*

BIO 4457 Clinical Pathophysiology II (3)
Clinical pathophysiology is the study of the changes that occur in the body as a result of disease or injury. Through a combination of lectures, class discussions, reading assignments, and case studies, we will examine how these changes disrupt normal physiologic processes and lead to the signs and symptoms of various health conditions. This course is the second in a two-part series and is ideal for anyone who plans a career in a health care related field. Clinical Pathophysiology II will focus on the gastrointestinal, neurological, immunologic, dermatologic, and musculoskeletal systems, covering the most common causes of abdominal pain, weakness, headache, diarrhea, recurrent infections, back pain, rash, and limb pain. *Prerequisite(s): BIO 4455/BIO L455. Co-requisite(s): BIO L457*

BIO L457 Clinical Pathophysiology II Lab (1)
Students will work through case studies of abdominal pain, diarrhea, weakness, headache, rash, back pain, and extremity pain that will enhance the student's understanding of the material taught in the lecture course. Students will learn basic interpretation of X-Ray, CT, and MRI as well as further their skills in interpretation of core labs such as CBC, CMP, urinalysis, amylase, and lipase. *Prerequisite(s): BIO 4455/BIO L455. Co-requisite(s): BIO 4457*

BIO 4459 Pathway to Professional School (3)
This course is designed to prepare students for application to professional school as well to equip them with tools essential for success in their chosen field of study. Topics will include goal setting; choosing a program of study; personal statement and resume writing; self-assessment, decision making, time management, interview, test taking, and study skills; financial planning; building a professional identity; asking for letters of recommendation; preparing a strong application; and developing a support network. *Prerequisite(s): Must be classified junior according to University standards.*

BIO 4460 Critical Issues in Environmental Management (3)
An examination of the scientific social economic and political factors that contribute to environment controversies, along with approaches for resolving disputes. *Prerequisite(s): BIO 2229 and BIO L229*

BIO 4465 Occupational Safety and Health (3)
A study of practical information occupational safety and health technology, management, and regulatory compliance issues and covering crucial topics like an introduction to industrial hygiene; organizing, directing, and evaluating occupational safety programs; and safety-related laws, regulations, and recordkeeping. *Prerequisite(s): BIO 1100 and SCI 2233*

BIO 4471 Parasitology (3)
Taxonomy, structure, life histories, distribution, pathogenesis, and control of parasitic protozoa, helminths, and arthropods, with the emphasis on those of medical importance. *Prerequisite(s): Any 3000-level biology lecture and lab. Co-requisite(s): BIO L471*

BIO L471 Parasitology Lab (1)
Contact Hours: 3
Laboratory study of parasitic protozoa, helminths, and arthropods, with the emphasis on those of medical importance. *Prerequisite(s): Any 3000 level biology lecture and lab. Co-requisite(s): BIO 4471*

BIO 4474 - Internship in Biology Education (9)
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite(s): Admission to TEP. Co-requisite(s): SED 4454 Internship Seminar for Secondary Education*

BIO 4476 Special Topics in Biology (1-4)
Specialized topics not generally included in course offerings. Note: This course may be repeated 1 to 4 credit hours per course per semester. *Prerequisite(s): Permission of instructor*

BIO 4479 Environmental Assessment (3)
An examination of theory and practices required in performing stream environmental assessment as currently practiced by state and federal agencies in their attempt to preserve biological integrity. Sustainable management of natural resources and a systems approach to environmental problem solving will be emphasized. Topics covered include water quality, habitat assessment, indicator species used in ecological inventory with a concentration on macro invertebrate and fish assemblages, and the index of biological integrity. *Prerequisite(s): BIO 1101/BIO L101 and BIO 2229/BIO L229. Co-requisite(s): BIO L479*

BIO L479 Environmental Assessment Lab (1)
Contact Hours: 3
Laboratory instruction and hands-on field training regarding stream environmental assessment as currently practiced by state agencies in their attempt to preserve biological integrity. Topics covered include measurement of water quality, habitat, and practice sampling techniques, with a concentration on fish and macro invertebrate assemblages. In addition, students will learn the use of the index of biological integrity using their own collections of fish assemblages. *Prerequisite(s): BIO 1101/BIO L101 and BIO 2229/BIO L229. Co-requisite(s): BIO 4479*

BIO 4480 Histology (3)
Microscopic anatomy and function of cell types and tissues of mammalian organs. *Prerequisite(s): BIO 1101/BIO L101, BIO 3347/BIO L347, BIO 3348/BIO L348. Co-requisite(s): BIO L480*

BIO L480 Histology Lab (1) ***Contact Hours: 3***
Microscopic anatomy of cell types and tissues of mammalian organs. *Prerequisite(s): BIO 1101/BIO L101, BIO 3347/BIO L347, BIO 3348/BIO L348. Co-requisite(s): BIO 4480*

BIO 4481 Methods and Materials for the Secondary Teacher (3)
A survey of teaching methods and materials appropriate for teaching in the content areas for grades 6-12. Topics addressed will include teacher evaluation in the public schools, collaboration with special education teachers, and lesson planning formats. In addition, teaching methods, selections organization and use of biology/science materials for grades 6-12 will be covered in detail. A professional laboratory experience is included in this course. *Prerequisite(s): Admission to TEP*

BIO 4482 Molecular Biology (3)
Fundamental principles of chromosomal organization and gene expression, with emphasis on the structure and function of nucleic acids and proteins. *Prerequisite(s): BIO 3320, BIO 3372/BIO L372. Co-requisite(s): BIO L482*

BIO L482 Molecular Biology Lab (1)
Experimental approaches in molecular analyses of nucleic acids and proteins, with the emphasis placed on common techniques utilized in clinical and research settings. *Prerequisite(s): BIO 3320, BIO 3372/BIO L372. Co-requisite(s): BIO 4482*

BIO 4484 **Senior Seminar in Biological & Environmental Sciences (1)**
The senior seminar course integrates knowledge, skills, and concepts acquired in departmental courses. The course is designed to help seniors to 1) prepare for the transition from college to career through a field-related project, and 2) complete a program assessment. *Pre-requisite: senior standing.*

BIO 4485 **Principles and Methods for the Laboratory Assistant (1-2)**
This course will provide each student with significant "hands on" experiences in laboratory preparation and laboratory safety. Students will work under the direct mentorship and supervision of the course instructor and will be trained in preparation techniques and organization of laboratory exercises in the biological sciences. (Students seeking one (1) semester hour credit will be required to assist in one laboratory course. Students seeking two (2) semester hours credit will be required to assist in two laboratory courses or laboratory courses with multiple sections.) *Prerequisite(s): Good standing as a student in the department, advisor/departmental approval, interview*

BIO 4486 **Advanced Microscopy (3)**
Advanced microscopy practical techniques, including fixation, specimen preparation, theory of image acquisition using various microscope types, and image presentation. *Prerequisite(s): Any 3000-4000 level Biology course*

BIO 4488 **Internship in Biological or Environmental Science (1-3)**
Supervised work experience in the biotechnology industry, medical field, a governmental agency, business or industry, public service organization, food production or food service industry, or other working environment in which a student will learn and apply pertinent professional skills. **Note:** This course may be repeated 1 to 4 credit hours per course per semester. *Prerequisite(s): Approval of the student's academic adviser and department chair Internship may only be taken for a maximum of six (6) semester hours*

BIO 4489 **Internship in Biological or Environmental Science (1-3)**
Supervised work experience in the biotechnology industry, medical field, a governmental agency, business or industry, public service organization, food production or food service industry, or other working environment in which a student will learn and apply pertinent professional skills. **Note**: This course may be repeated 1 to 4 credit hours per course per semester. *Prerequisite(s): Approval of the student's academic adviser and department chair Internship may only be taken for a maximum of six (6) semester hours*

BIO 4490 **Internship in Biological or Environmental Science (1-3)**
Supervised work experience in the biotechnology industry, medical field, a governmental agency, business or industry, public service organization, food production or food service industry, or other working environment in which a student will learn and apply pertinent professional skills. **Note:** This course may be repeated 1 to 4 credit hours per course per semester. *Prerequisite(s): Approval of the student's academic adviser and department chair Internship may only be taken for a maximum of six (6) semester hours*

BIO 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

BIO 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. ***Note:*** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

BIO 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

BIO 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note**: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

BUSINESS

BUS 1101 **Introduction to Business (3)**
Topics covered include management, the free enterprise system, accounting, finance, marketing, economics, international business and other business concepts and terminology. This course may not be taken for credit by business majors.

BUS 1110 **Orientation to Sorrell College of Business (1)**
This course introduces students to the Sorrell College of Business by providing overviews of its degree programs, the GEEKS program, technology utilized in the College of Business, and other resources to ensure success throughout a student's time in the college.

BUS 1120 **The Global Challenge (3)**
The Global Challenge will help prepare superior students for thinking globally. This course is as much about how to study and think about global problems and relationships as it is a course about specific global issues. Superior Students will be required to participate in a service learning project during the semester. There will be several options available to students to travel or work locally on international projects.

BUS 1121 **Honors the Global Challenge (3)**
The Global Challenge will help prepare superior students for thinking globally. This course is as much about how to study and think about global problems and relationships as it is a course about specific global issues. Superior Students will be required to participate in a service learning project during the semester. There will be several options available to students to travel or work locally on international projects. *Prerequisite(s): SCOB Global Scholar and permission of the associate dean*

BUS 2215 **Research for Business Professionals (3)**
The purpose of this course is to provide SCOB students with a fundamental understanding of the research and evaluation process related to business industries. Emphasis will be on the systematic and objective processes of collecting, recording, analyzing and interpreting data to inform managerial decisions.

BUS 2220 **Business Writing (1)**
Analysis and composition of business and personal communications including mechanics and content of letters and memoranda. In this course, students will learn techniques for clarifying purpose, understanding readers, and organizing ideas. *Prerequisite(s): ENG 1102 or ENG 1104 and BUS 1110*

BUS 3310 **Intermediate Excel (1)**
A computer application course in which business students use common business spreadsheet software to design and implement solutions to common business problems and issues. *Prerequisite(s): Lower-level core*

BUS 3330 **Professional Development (1)**
This course is designed to provide practical career development skills, build meaningful relationships and provide the student with instruction on general principles of oral communication in classroom and other professional situations, organization of information, and different types of oral presentations. Students will learn how to brand themselves using social media; acquire communication, social influence, and genuine networking skills; and develop an understanding of how to succeed in any workplace. *Prerequisite(s): BUS 2220*

BUS 3380 **Business Study Abroad (3)**
Supervised investigation of relevant topics in Business through travel study abroad or within the interior of the United States. *Prerequisite(s): Permission of Instructor*.

BUS 3382 **Business Communication (3)**
In this course, students will interact with contemporary tools designed to enhance effective communication within business settings. The curriculum explores enhancing professional development, crafting powerful and concise messages, and utilizing practical methods for collaborative, long-form communication. *Prerequisite(s): ENG 1102 or 1104 and Lower-Level Business Core Classes*

BUS 4425 **Special Topics in Business (3)**
Special topics in areas offered by the Sorrell College of Business. Prior credit and topic approval by the Associate Dean of Sorrell College of Business required. *Prerequisite(s): Lower-level core*

BUS 4450 **Global Leadership Experience (3)**
Global Leadership Experience is a course developed to help improve the understanding of global citizenship and provide an opportunity to use leadership skills to create a transformative experience for superior students. This class allows students to interact with and learn about new cultures. A ten-day trip which is the integral experiential learning part of this class. *Prerequisite(s): Lower-level core, junior standing, completion of at least 12 hours of the business core*

BUS 4451 **Honors Global Leadership Experience (3)**
Global Leadership Experience is a course developed to help improve the understanding of global citizenship and provide an opportunity to use leadership skills to create a transformative experience for superior students. This class allows students to interact with and learn about new cultures. A ten-day trip which is the integral experiential learning part of this class. *Prerequisite(s): Must be a Sorrell Global Scholar and have permission of the Associate Dean.*

BUS 4474 **Business and Society (3)**
This course focuses on the interrelationships between business organizations and the social, economic, political, and cultural environments in which business organizations function, both nationally and globally. Among other topics, the course will address business ethics, organizational culture and values, social responsibility, and relationships with government, education, and labor unions. This course will be a primary course in which business ethics, and the essential role that ethics must occupy in corporate life, both from national and international perspec-

tives. Particular emphasis will be placed on the concepts of corporate social responsibility (CSR) and sustainability, both nationally and internationally, as essential dimensions of business ethics. What it means to be a good corporate citizen will be a primary theme of this course. *Prerequisite(s): BUS 3382 or BUS 3330 and Senior Standing*

BUS 4476 Strategic Management (Capstone) (3)
Capstone course for business majors. Integrates knowledge, skills, and concepts acquired in all business courses taken. Requires students to analyze various corporations, determine threats and opportunities posed by the external environment as well as the firm's strengths and weaknesses, formulate strategic plans for firms, and determine how these plans should be implemented. *Prerequisite(s): Senior standing; completion of or concurrent enrollment in remaining business core courses*

BUS 4480 Business Seminar (Capstone) (3)
The purpose of this course is to strengthen the student's competencies in each of the major functional areas of business, including accounting, finance, global/international and business ethics issues. The course focuses on an application and understanding of business via case studies and experiential activities. *Prerequisite(s): Senior standing. Co-requisite(s): Recommended that this course be taken concurrently with the BSBA capstone course, BUS 4476.*

BUS 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. ***Note:*** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

BUS 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. ***Note:*** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

BUS 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

BUS 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

BUS 4499 General Business Internship (3)
The General Business Internship provides students with the opportunity to gain real-world work experience in their field of study. Students gain practical, professional experience in conjunction with academic development under the supervision of both a faculty member and a supervisor within an organization. A written request must be submitted to the department chair at least two weeks in advance of the semester or term in which the study is to be undertaken. **Note:** This course may not be substituted for any required course. Students may earn no more than 6 hours of internship credit. *Prerequisite(s): Junior or senior standing, department chair approval*

BUSINESS ANALYTICS

BA 3310 Introduction to Information Systems & Data Analytics (3)
An introduction of information systems, their roles, and practical application in a digital business environment. Topics discussed include the fundamentals of modern business information systems for operational, strategic, and competitive decision-making is introduced and applied in real-world scenarios. *Prerequisite(s): Lower-level Business Core*

BA 3311 Honors Introduction to Information Systems and Data Analytics (3)
An introduction of information systems, their roles, and practical application in a digital business environment. Topics discussed include the fundamentals of modern business information systems for operational, strategic, and competitive advantage. The role of business data analytics in decision-making is introduced and applied in real-world scenarios. This course is designed for Sorrell Global Scholars honors students. *Prerequisite(s): Lower-level Business Core, Sorrell Global Scholars student, or permission of Associate Dean.*

BA 3320 Data Communication & Networks (3)
This course introduces the theory and practical applications of current technologies in data communication and computer networks. Emphasis is placed on data communication principles, local and wide area networks and an understanding of the basic features, operations, and limitations of data communications

and computer networks. Coverage includes wireless technologies, industry convergence, compression techniques, network security, LAN technologies, VoIP, and error detection and correction. *Prerequisite(s): Lower-level Business Core*

BA 3346 **Database Management Systems I (3)**
This course is an introduction to database management systems (DBMS) and design via conceptual, logical, and physical modeling techniques. The emphasis is on relational DBMS, including modeling organizational data, representation of data relationships, data definition and manipulation, database design and normalization concepts, database generation, and database administration. *Prerequisite(s): Lower-level Business Core*

BA 3350 **Business Programming (3)**
The course introduces and develops programming fundamentals, including program structure, assignment, data types, input/output, control flow, functions, arrays, strings, object structures, list processing, and advanced I/O. Using an integrated development environment (IDE), students will use packages and libraries to develop object-oriented programs with a focus on data analysis and data visualization. *Prerequisite(s): Lower-level Business Core*

BA 3351 **Honors Business Programming (3)**
The course introduces and develops programming fundamentals, including program structure, assignment, data types, input/output, flow of control, functions, arrays, pointers, strings, object structures, list processing, and advanced I/O. Using an integrated development environment (IDE), students will use packages and libraries to develop object-oriented programs with a focus on data analysis and data visualization. This course is designed for Sorrell Global Scholars honors students. *Prerequisite(s): Sorrell Global Scholars student or permission of Associate Dean; Grade of 'C' or higher in MTH 1112*

BA 4410 **Business Data Mining (3)**
This course introduces the history, concepts and practices of extracting information from large databases to support business decisions using descriptive, prediction, and prescriptive analytics, The course covers various analytical techniques to turn data into information beginning with data preparation and exploration and then using a number of well-defined data mining tasks such as classification, regression, and clustering. *Prerequisite(s): Lower-level core*

BA 4415 **Big Data Analytics and Visualization (3)**
This course introduces best practices of data analytics to create a more competitive and profitable organization. Students will learn how Big Data interacts with business, and how to apply data analytic methodologies to create value for an organization. The course includes hands-on applications of sophisticated data-analysis functions and methodologies to real world data sets with cutting edge software and tools. The course also includes business cases of how the leading digital companies embrace big data culture and the use of data analytic techniques to outcompete rivals in their industry and to be more profitable than traditional companies in the global business environments. This course is a capstone course for the Global Business-Business Analytics concentration. *Prerequisite(s): Department Chair approval*

BA 4440 **Business Data Mining II (3)**
This course is an advanced course in data mining. Data mining concepts are extended from Business Data Mining I to include additional models and advanced applications of the models previously introduced, such as sentiment analysis and neural networks. Emphasis is placed on working with larger data sets and the entire cycle of a data analytics project. *Prerequisite(s): BA 4410*

BA 4446 **Honors Systems Analysis and Design (3)**
This course discusses the processes, methods, techniques, and tools to develop information system. The course covers a systematic methodology to analyze business requirements, design information system solution, implement and test information system. This course is the capstone course for the concentration. This course follows a project-based approach that requires students to complete a software implementation project using a systems development lifecycle methodology. This course is designed for Sorrell Global Scholars honors students. *Prerequisite(s): Sorrell Global Scholars student or permission of Associate Dean; Department Chair approval*

BA 4447 **Systems Analysis and Design (3)**
This course discusses the processes, methods, techniques, and tools to develop information systems. The course covers a systematic methodology to analyze business requirements, design information system solutions, implement and test information systems. This course is the capstone course for the concentration. This course follows a project-based approach that requires students to complete a software implementation project using a systems development lifecycle methodology. *Prerequisite(s): Department Chair approval*

BA 4451 **Information Security and Assurance Analytics (3)**
This course introduces the concept of threat prediction, anomaly detection, and software quality control in the context of information assurance. Emphasis is placed on understanding the sources of cybersecurity data, classifying and predicting security threats, detecting anomaly, fraud, and social engineering, and learning application quality control and assurance. *Prerequisite(s): Lower-level Business Core*

BA 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided*

Independent Research may be taken only in the applicant's major or minor field.

BA 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

BA 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

BA 4494 **Guided Independent Study (1-3)**
Additional information is indexed under Independent Study and Research. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

BA 4498 **Business Analytics Internship (3)**
The Business Analytics Internship provides students with the opportunity to gain real-world insurance experience in their field of study. Students are interviewed and selected by the individual companies offering the internship. See the Department Chair for details. *Prerequisite(s): Student must have completed all four required BA courses with a "B" average. Student must have Internship Proposal approved prior to registering for class.*

CHINESE

CHI 1101 **Introductory Chinese I (3)**
Introduction to the Chinese language.

CHI 1102 **Introductory Chinese II (3)**
Introduction to the Chinese language. *Prerequisite(s): CHI 1101 or permission of instructor*

CHI 2201 **Intermediate Chinese I (3)**
Progressive development of basic language skills in Chinese. *Prerequisite(s): CHI 2201 or permission of instructor*

CHI 2202 **Intermediate Chinese II (3)**
Progressive development of basic language skills in Chinese. *Prerequisite(s): CHI 2201 or permission of instructor*

CHI 3310 **Chinese Culture and Civilization (3)**
Introduction to historical and current Chinese culture and civilization. *Note: Previous Chinese language study not required.*

CHI 4493 **Guided Independent Study (1-3)**
Additional information is indexed under Independent Study and Research.

CHI 4494 **Guided Independent Study (1-3)**
Additional information is indexed under Independent Study and Research.

CHEMISTRY

CHM 1115 **Survey of Chemistry (3)**
The course will provide an overview of some of the basic concepts and principles of chemistry. Starting with the structure of the atom, the course will proceed on to basic chemical reactions, the formation of ions, states of matter, chemical equilibrium, and chemical bonding, and will incorporate examples from the biological sciences. Co-requisite(s): CHM L115

CHM L115 **Survey of Chemistry Lab (1)**
The laboratory sessions will provide an overview of some of the basic concepts and techniques of general chemistry experiments. The students will conduct experiments that illustrate the concepts and principles learned in the Survey of Chemistry course lectures. *Co-requisite(s): CHM 1115*

CHM 1142 **General Chemistry I (3)**
Emphasis is placed on the periodic table and stoichiometry, including chemical properties, physical states, and structure. *Prerequisite(s): Pass MTH 1112 with at least a C (or a score of 0, 1, or 5 on the math placement exam). Co-requisite(s): CHM L142*

CHM L142 **General Chemistry I Lab (1)**
Experiments dealing with the periodic table, atomic structure, the gas laws, and stoichiometry. *Co-requisite(s): CHM 1142*

CHM 1143 **General Chemistry II (3)**
Acid-base theory, solutions, chemical equilibria, thermodynamics, kinetics, and electrochemistry. *Prerequisite(s): CHM 1142/CHM L142. Co-requisite(s): CHM L143*

CHM L143 **General Chemistry II Lab (1)**
Experiments in acid-base theory, solutions, chemical equilibria, thermodynamics, kinetics, and electrochemistry. *Co-requisite(s): CHM 1143*

CHM 2242 **Analytical Chemistry (3)**
The theoretical principles of modern quantitative wet-chemical methods for determining composition and concentration with rigorous treatment of solution equilibria. *Prerequisite(s): CHM 1143/CHM L143. Co-requisite(s): CHM L242*

CHM L242 Analytical Chemistry Lab (1)
The practice of modern quantitative wet-chemical techniques in analytical chemistry. *Co-requisite(s): CHM 2242*

CHM 3342 Organic Chemistry I (3)
An introduction to the chemistry of carbon compounds that develops the theoretical principles underlying organic materials. *Prerequisite(s): CHM 1143/CHM L143. Co-requisite(s): CHM L342*

CHM L342 Organic Chemistry I Lab (1)
Experimental techniques and skills for preparing, manipulating, and reacting organic molecules. *Co-requisite(s): CHM 3342*

CHM 3343 Organic Chemistry II (3)
A continuation of CHM 3342 with emphasis on modern organic synthesis. *Prerequisite(s): CHM 3342/CHM L342. Co-requisite(s): CHM L343*

CHM L343 Organic Chemistry II Lab (1)
Experimental techniques and skills for preparing, manipulating, and reacting organic molecules. *Co-requisite(s): CHM 3343*

CHM 3350 Principles of Physical Chemistry (3)
An introduction to the principles of chemical thermodynamics, reaction kinetics and chemical equilibrium. *Prerequisite(s): CHM 3343; PHY 2253/PHY L253; or PHY 2263/PHY L253. Co-requisite(s): CHM L350*

CHM L350 Principles of Physical Chemistry Lab (1)
Practical applications of thermochemistry, colligative properties, and reaction kinetics. *Co-requisite(s): CHM 3350*

CHM 3352 Biochemistry (3)
This course describes the molecular basis of life and discusses the structure, function and metabolism of proteins, carbohydrates, lipids and nucleid acids. *Prerequisite(s): CHM 3342/CHM L342. Co-requisite(s): CHM L352*

CHM L352 Biochemistry Lab (1)
This lab illustrates biochemistry lecture material and acquaints the student with biochemistry techniques and equipment. *Co-requisite(s): CHM 3352*

CHM 3381 Physical Chemistry I (3)
Theory and applications of thermodynamics, reaction kinetics, and transport properties with an emphasis on the description of ideal/non-ideal gases and solutions. *Prerequisite(s): CHM 3343; PHY 2253 and PHY L253 or PHY 2263 and PHY L253; MTH 1126. Co-requisite(s): CHM L381*

CHM L381 Physical Chemistry I Lab (1)
Introduction to methods and techniques used in the physical chemistry laboratory, including experiments in calorimetry, phase equilibria, reaction kinetics, and transport properties. *Co-requisite(s): CHM 3381*

CHM 3382 Physical Chemistry II (3)
A continuation of CHM 3381 with an introduction to surface phenomena, quantum chemistry, and spectroscopy with an emphasis on properties of surfaces, atomic and molecular structure, molecular orbital theory, and photochemistry. *Prerequisite(s): CHM 3381*

CHM L382 Physical Chemistry II Lab (1)
A continuation of CHM L381 with an introduction to methods and techniques in computational chemistry and spectroscopy. *Pre/Corequisite(s): CHM 3382*

CHM 4400 Special Topics in Chemistry (3)
A study of topics of special interest, such as advanced physical chemistry, advanced analytical chemistry, advanced organic, group theory, surface chemistry, and colloid chemistry. *Prerequisite(s): CHM 2242, CHM 3343*

CHM 4403 Advanced Organic Chemistry (3)
A more in-depth study of many of the topics studied in Organic Chemistry I and II. Topics include reaction mechanisms, synthetic methods, structure determination using spectroscopic techniques, and stereochemistry. Offered only at Dothan. *Prerequisite(s): CHM 3343/L343*

CHM 4420 Principles of Polymer Chemistry (3)
An introduction to principles governing polymer synthesis, characterization, and the physical properties of polymers. Topics covered will include molecular weight distribution, polymer composition, characterizations, property-structure relationships, step-growth and chain-growth polymerization and copolymerization. *Prerequisite(s): CHM 3381*

CHM L420 Principles of Polymer Chemistry Lab (1)
Synthesis, characterization, and analysis of various polymers and copolymers. *Pre/Corequisite(s): CHM 4420*

CHM 4440 Travel Study in Chemistry (1)
Contact Hours: 3
Supervised investigation of relevant topics in Chemistry through travel-study abroad or within the interior of the United States.

CHM 4444 Advanced Inorganic Chemistry (3)
Spectroscopy of inorganic molecules, detailed molecular orbital applications, descriptive chemistry of the transition elements, including organometallic and bioinorganic compounds. *Prerequisite(s): CHM 2242, CHM 3381. Co-requisite(s): CHM L444*

CHM L444 Advanced Inorganic Chemistry Lab (1)
Preparation and characterization of inorganic compounds. Experience will be provided in techniques such as using a tube furnace and handling air-sensitive compounds with a glove bag and Schlenk line. *Co-requisite(s): CHM 4444*

CHM 4445 Instrumental Analysis (3)
The operating principles of modern analytical instrumentation for determining composition and concentration. *Prerequisite(s): CHM 2242, CHM 3343;*

PHY 2253/PHY L253; or PHY 2263/PHY L253. Co-requisite(s): CHM L445

CHM L445 Instrumental Analysis Lab (1)
The practical application of select modern analytical instruments to qualitative and quantitative examination of matter. Considerable attention is given to the instrument and elementary electronics involved in each. *Co-requisite(s): CHM 4445*

CHM 4452 Advanced Biochemistry (3)
This course will present the reactions, regulations, and organization of metabolic pathways. It is a continuation of CHM 3352, with emphasis on carbohydrate metabolism, aerobic metabolism, lipid metabolism, and other advanced topics in biochemistry. *Prerequisite(s): CHM 3352*

CHM 4474 Internship in Chemistry Education (9)
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite(s): Admission to TEP; Co-requisite(s): SED 4454 Internship Seminar for Secondary Education*

CHM 4481 Methods and Materials for the Secondary Teacher (3)
A survey of teaching methods and materials appropriate for teaching in the content areas for grades 6-12. Topics addressed will include teacher evaluation in the public schools, collaboration with special education teachers, and lesson planning formats. In addition, teaching methods, selections organization and use of chemistry/science materials for grades 6-12 will be covered in detail. A professional laboratory experience is included in this course. *Prerequisite(s): Admission to TEP*

CHM 4490 Internship in Chemistry (1-3)
Supervised work experience in the biotechnology industry, governmental agency, business, or other working environment in which a student will learn and apply pertinent professional skills.

CHM 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

CHM 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field*

CHM 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

CHM 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

CHM 4499 Senior Seminar (1)
Principles of preparing and presenting an oral presentation on a selected chemical topic in the current literature.

CO-OP

COOP 3350 Cooperative Education Program
Cooperative Education Programs, or Co-ops, are an extension of the classroom and provide students with experiential, hands-on learning prior to graduation. Co-ops provide the deepest level of industry training and experience, allowing students the opportunity to develop the skills needed to excel in the workplace immediately upon graduation. Co-op will run a full semester or term and are paid, full time positions at a university-approved employer. Students must commit 2-3 semesters/terms to co-op, which will alternate with traditional semesters/terms of study. This class will have a mid-semester and end of semester evaluation. Only one out of the two to three co-op semesters may take place in summer. *Prerequisite(s): Minimum GPA of 25 overall, minimum of 12-semester hours of Troy University credit, approval by academic adviser, flat fee of $250 per semester. Co-requisite(s): Contact with co-op coordinator*

CRIMINAL JUSTICE

Note: CJ 1101 - Introduction to Criminal Justice and Criminology, is a prerequisite for all 3000 and 4000 level Criminal Justice courses

CJ 1101 **Introduction to Criminal Justice and Criminology (3)**
Agencies and processes involved in the administration of criminal justice. *Note: (CG COMMENT) Took away this note about CJ 1101. That will need to be a blanket statement in this section of the catalog, not directly tied to the course.*

CJ 2221 **Survey of Law Enforcement (3)**
A survey of policing, covering developmental history, the system of law enforcement organizations in the U.S., personnel administration, police roles and behavior, operations, and major issues such as discretion, civil liability, risk, and excessive force.

CJ 2231 **Survey of Corrections (3)**
Philosophy, theory, and practices involved in the treatment of convicted law violators, the examination, and the appraisal of the effects of correctional treatment upon post-correctional behavior.

CJ 2241 **Survey of Criminal Law and Constitutional Criminal Procedure (3)**
An examination of the American legal system with emphasis on the analysis and processing of criminal offenses, including an examination of constitutional criminal procedure concerning arrest, pre-trial and trial processes.

CJ 3302 **Criminal Justice Administration (3)**
A survey of public administration as it applies to criminal justice organizations. The major dimensions of criminal justice organizations examined include organizational theory, organizational design, leadership and decision making, interpersonal and organizational communication, human resource management, legal aspects of administration, financial management, and organizational change.

CJ 3305 **Crisis Management (3)**
This course provides an overview of methods used to identify, plan for, mitigate, respond, and recover from a variety of events. The structure of the federal and state level crisis management and functions are considered along with the emergency support functions relied upon. Emphasis is placed on the roles and responsibilities of leadership during a crisis along with the framework of national, regional, and local response. The ability to understand and evaluate the phases of a crisis, continuity of government, and the private sector during incidents is also examined. Case studies, exercises, and discussions will be used to encourage critical review of the philosophy and principles of crisis management. This course addresses development of risk matrices, identification of threat and risk, crisis theory, stress management and the probability of crisis event occurrence.

CJ 3308 **Foundations of Intelligence (3)**
An intellectual foundation for the study of intelligence, both as it has been practiced through history and as it is currently practiced by different nations and other entities today.

CJ 3309 **Foundations of Homeland Security (3)**
An examination of the political and social complexities and dilemmas associated with state and local law enforcement and federal agencies roles in the defense of our nation subsequent to Sept. 11, 2001.

CJ 3310 **Psychology for Criminal Justice Officials (3)**
Behavior of subjects and police officers in normal and unusual conditions, arrest, interrogation, detention, incarceration, protest, demonstrations, riots, public calamities, reactions of special interest groups, minorities, and specialized tests.

CJ 3325 **Juvenile Justice (3)**
Provides a basic overview of the American juvenile justice system, beginning with the development of the juvenile court and addressing the jurisdiction, role, responsibilities, administration, and organization of the juvenile justice system. Also examined are the interfaces between police, schools, and the court, the issues of child abuse, and the operation of treatment programs.

CJ 3335 **Security Operations (3)**
An introduction to the administration of private security, the analog to the police in the public sector. Issues in private security concerning ethics, law, and policy, as well as administration, are considered.

CJ 3348 **Deviant Behavior (3)**
An examination of the various types of social behavior that violates norms (folkways, mores, and taboos). Special emphasis will be given to the social controls that regulate behavior and the causes and consequences of deviant acts.

CJ 3349 **Punishment (3)**
This course provides an overview of the how and why behind punishment. Looking at social and criminological theories students will examine various interpretations and justifications for punishment to include various legal decisions.

CJ 3350 **Gangs (3)**
An examination of the nature and extent of gangs and gang crime in the United States and around the world.

CJ 3365 **Victimology (3)**
This course provides an opportunity for the student to gain an understanding of the crime victim's position and issues with the criminal justice system. Specifically, trends, applied responses to victimization, offender-victim relationships, typologies, measuring victimization, and prevention are examined.

CJ 3367 **History of Criminal Justice (3)**
Upon completion of the course the student must have demonstrated his/her knowledge of criminal justice systems from approximately 1700 B.C. to the present. With that knowledge and comprehension, the student should be able to analyze and apply lessons learned from that historical context to current situations in the United States Criminal Justice System.

CJ 3375 **Research Methods (3)**
Principles of pure and applied research for the social sciences. Special emphasis is given to the types of research methods employed by social scientists including survey techniques, field research, quasi-experimental designs and analytical procedures currently used in the social sciences. *Prerequisite(s): CJ 2221, CJ 2231, CJ 2241*

CJ 3376 **Criminal Justice Statistics (3)**
A detailed description of what social scientists do with the information they gather. Particular attention is given to descriptive and inferential statistics, the relationship between research and policy, evaluation research, and research ethics. *Prerequisite(s): CJ 2221, CJ 2231, CJ 2241*

CJ 3380 **Digital Forensics I (3)**
Basic course designed to introduce the students to identifying and collecting digital data, analyzing the data through the use of forensics tools (hands on) and presenting it in a written report.

CJ 3382 **Social Media Investigation (3)**
The Study of social media and its affects and uses in law enforcement field. The proper way to forensically acquire and preserve social media evidence for use in litigation.

CJ 4405 **National Security and the Law (3)**
A historical and legal exploration of national security law in the United States.

CJ 4406 **Transnational Organized Crime (3)**
A critical examination and analysis of major issues, definitions, and controversies associated with organized and transnational organized crime in a modern world. Historical, criminological, and sociological aspects of crime across national and international borders will be studied and researched. Various groups in transnational organized crime will be studied as they impact continents, countries, and globalization.

CJ 4407 **Homicide (3)**
This course is an examination of Homicide and its investigation. Topics will include types of homicide as well as death by natural and accidental cause. The course will review and expand on investigative theory, collection and preservation of evidence, sources of information, interview and interrogation, uses of forensic sciences and case and trial preparation.

CJ 4408 **Drugs, Alcohol, and Criminal Justice (3)**
This course is designed to explore relevant issues of alcohol and drug use, policy and abuse in American society and its relationship with crime and criminal justice.

CJ 4411 **Evidence (3)**
This course will provide the student with an overview of the rules of evidence applicable in criminal cases. The course will begin with an overview of the criminal trial process. Basic evidence concepts will then be explored, with particular emphasis placed upon the Federal Rules of Evidence. The course will then specifically focus on evidence concepts including, but not limited to: witness competency and impeachment, hearsay, admissions & confessions, circumstantial evidence, documentary & physical evidence and the exclusionary role.

CJ 4415 **Correctional Systems and Practices (3)**
An examination of the day-to-day operations and practices in modern correctional facilities in the local, state, and federal systems.

CJ 4420 **Comparative Criminal Justice (3)**
A comparative examination of criminal justice systems throughout the world with specific attention given to legal and political systems, organization and methods of law enforcement, jurisprudence, correctional policies, and practices. Theoretical frameworks, models, and propositions addressing crime across various societies are also considered.

CJ 4421 **Ethics and Civil Liability (3)**
An introduction to concepts of ethics and an examination of contemporary ethical issues in the field of criminal justice including the conduct and ethics of criminal justice practitioners that give rise to civil liability and will focus on aspects of risk management to help prevent legal claims. The course will focus not only on the potential liability of police officers, corrections officers and other criminal justice practitioners for deprivation of civilians US Constitutional rights under state and federal law, but will also address officer's day to day dealings with civil law issues while performing duties mandated under criminal law.

CJ 4425 **Violence in America (3)**
In-depth study of violence, including types of violence, categories of offenders and victims, social consequences, and potential solutions.

CJ 4426 **Trial Procedures - Civil Law (3)**
This course is designed to introduce students to the use of legal reasoning and argument in the context of trial advocacy. Students will develop skills in formulating, presenting, and critiquing legal arguments. Students will explore the sources of civil law, the theory behind the adversarial system, and the various procedural and evidentiary rules in place to achieve the system's goals. Throughout the semester, students will apply what is learned through mock trials in class and in one or more scrimmages/tournaments with other schools. **Note:** Students may take both CJ 4426 and CJ 4436 for credit *Prerequisite(s): Must have instructor permission to enroll in the course.*

CJ 4430 **Selected Topics in Criminal Justice (3)**
An examination of a criminal justice topic chosen for its current or special interest and importance and that is not given in-depth coverage in other courses; selection topics will vary with each course offering (although a particular topic may be offered more than once).

CJ 4436 **Trial Procedures - Criminal Law (3)**
This course is designed to introduce students to the use of legal reasoning and argument in the context of trial advocacy. Students will develop skills in formulating, presenting, and critiquing legal arguments.

Students will explore the sources of criminal law, the theory behind the adversarial system, and the various procedural and evidentiary rules in place to achieve the system's goals. Throughout the semester, students will apply what is learned through mock trials in class and in one or more scrimmages/tournaments with other schools. *Prerequisite(s): Must have permission of instructor to enroll in the course.*

CJ 4440 **Terrorism (3)**
A critical examination and analysis of major issues, definitions, and controversies associated with the development of terrorism in the modern world. Historical, religious, and psychological and sociological aspects and explanations of terrorism will be covered, along with the characteristic means and methods terrorist groups employ.

CJ 4442 **Criminal Investigation (3)**
A detailed examination of what is necessary to investigate crimes, interview people using various methodologies to solve crimes and/or prepare a case for prosecution.

CJ 4444 **Community Corrections**
An examination of the purposes and goals of community-based corrections and its various components, including pretrial diversion, probation, parole, and emerging alternatives to traditional incarceration.

CJ 4445 **Current Issues in Law Enforcement Operations and Administration (3)**
A detailed examination of applied concepts of leadership and problem solving in law enforcement operations and administrations. Special emphasis is attached to current problems surfacing in law enforcement.

CJ 4446 **Current Issues in Correctional Operations and Administration (3)**
A detailed examination of applied concepts of leadership and problem solving in corrections and administration. Special emphasis is attached to current problems surfacing in corrections.

CJ 4447 **Current Issues in Legal Systems Operation and Administration (3)**
A study of the critical issues and concepts involved in modern court administration, including the law governing the presentation of evidence in the trial of criminal cases, analysis of the role of law, and the courts in American Society.

CJ 4455 **Advanced Victimology (3)**
An examination of a criminal justice topic chosen from its current or special interest and importance and that is not given in-depth coverage in other courses. *Prerequisite(s): CJ 1101*

CJ 4456 **Human Trafficking (3)**
Human trafficking is a course designed to help students gain a better understanding of contemporary human trafficking and modern-day slavery. Important terminology in this field, the different types of human trafficking that exist and an understanding of the scope of the problem, both domestically and globally will be explored. It will also discuss the physical, emotional, psychological, and spiritual trauma experienced by victims of human trafficking and the methods used for recruitment and control. The roles of government, the media, faith-based organizations, organized crime and culture will also be explored. Prerequisite(s): CJ 1101

CJ 4465 **Criminal Justice Study Abroad (1-3)**
An introduction to study abroad programs with a comparative study of norms, culture, policing, courts, and punishment. Particular consideration is also given to travel advice and safety while studying abroad.

CJ 4472 **Cyber Crime (3)**
This course will introduce the topics of computer crime and computer forensics. Students will be required to learn different aspects of computer crime and ways to uncover, protect, and exploit digital evidence. Students will be exposed to different types of tools, both software and hardware, and an exploration of the legal issues affected by on-line and computer-related criminal conduct. The course will examine the evolution of criminal law relative to the development of new technology.

CJ 4475 **Seminar in Cyber Security (3)**
A capstone course designed to integrate subject matter learned in previous courses, encourage critical analysis of contemporary issues, and seek further information on testing and certifications beyond the university setting.

CJ 4480 **Digital Forensics II (3)**
In depth study and analysis of operating system artifacts, event log, html, web browsers...analyzing the data and presenting it in a written report.

CJ 4481 **Operating and File System Forensics (3)**
Examination of common file systems and operating system artifacts. Students will learn general components of FAT and NTFS file systems and how data is stored. Explore artifacts from common operating systems such as Apple's OS X and Microsoft's Windows family. This course will explore the most commonly used file systems and operating system artifacts in preparation for real-world analysis and digital forensics.

CJ 4482 **Digital Evidence Practicum (3)**
Examine various techniques and procedures for law enforcement officers related to the forensically sound identification, seizure and collection of evidence through classroom study and practical exercises.

CJ 4483 **Digital Forensic Open Source Intelligence (3)**
This course introduces students to the principles and practices of Forensic Software Analysis using Open Source Intelligence (OSINT). It aims to equip students with the knowledge and skills to analyze software systems effectively, identify vulnerabilities, and gather intelligence from publicly available sources. This course covers various topics, including the fundamentals of forensic analysis, the ethical and legal considerations of using OSINT, and the

application of multiple tools and techniques to conduct software analysis.

CJ 4489 **Internship in a Criminal Justice Agency (3)**
Experience in a selected criminal justice agency, working in groups or individually. Supervised application and observation of concepts, principles, skills, operation and functions of knowledge acquired by the student in previous or current course work and studies. Problems will be identified with attendant solutions in the areas of police work, the correctional agencies, or the court systems as appropriate to the student's program of study. *Prerequisite(s): Criminal Justice Major, CJ 1101, CJ 2221, CJ 2231, CJ 2241; junior/senior classification; 3.0 cumulative GPA, 3.5 major GPA; consultation with department Internship Coordinator*

CJ 4490 **Internship in a Criminal Justice Agency (3)**
Experience in a selected criminal justice agency, working in groups or individually. Supervised application and observation of concepts, principles, skills, operation and functions of knowledge acquired by the student in previous or current course work and studies. Problems will be identified with attendant solutions in the areas of police work, the correctional agencies, or the court systems as appropriate to the student's program of study. *Prerequisite(s): Criminal Justice Major, CJ 1101, CJ 2221, CJ 2231, CJ 2241; junior/senior classification; 3.0 cumulative GPA, 3.5 major GPA; consultation with department Internship Coordinator*

CJ 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note**: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

CJ 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

CJ 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

CJ 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

CJ 4498 **Criminological Theory (3)**
An examination of crime, overall and by category, and an examination of theories of crime causation, their research support and their impact on social policy, categories of crime, etc. The criminological theories covered will be classical, biological, psychological, economic, and multidisciplinary. *Prerequisite(s): CJ 3375, CJ 3376*

CJ 4499 **Professional Seminar in Criminal Justice (3)**
This is a capstone course designed to (1) help seniors integrate the knowledge gained from their other required criminal justice courses, (2) assist them in developing analytical thinking skills through focusing on selected topics using a seminar approach, and (3) support them in gaining a better understanding of the criminal justice profession and the role they may play in it. *Prerequisite(s): CJ 3375, CJ 3376*

CLASSICS

CLA 2210 **Greek and Roman Culture (3)**
A survey of the cultural achievements of the ancient Greeks and Romans.

CLA 2260 **Classical Mythology (3)**
Myths of the Greeks and Romans and their influence.

CLA 2290 **Classical Literature in English Translation (3)**
Greek and Roman masterpieces as expressions of humanity. Prerequisite(s): ENG 1101, ENG 1102

CLA 3311 **Civilization of Greece (3)**
Historical and cultural achievements of the Greeks and their legacy to the modern world. Note: May be taken for credit as an elective in the Department of History.

CLA 3312 **Civilization of Rome (3)**
Historical and cultural achievements of the Romans and their legacy to the modern world. Note: May be taken for credit as an elective in the Department of History.

CLA 3330 **Classical Epic (3)**
Homer's Iliad and Odyssey, Virgil's Aeneid, and the epic tradition.

CLA 3350 **Classical Drama (3)**
The ancient theatre and its influence with selected plays by Greek and Roman playwrights.

CLA 4400 **Selected Topics in Classics (3)**
Selected topics in classical studies generally not covered in other courses. Note: May be repeated once for credit.

CLA 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may be repeated 1 to 3 credit hours per course per semester. Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.

CLA 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may be repeated 1 to 3 credit hours per course per semester. Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.

CLA 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information Note: This course may be repeated 1 to 3 credit hours per course per semester. Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.

CLA 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

COMMUNICATION

COM 1101 **Introduction to Communication and Media (3)**
Surveys the historical, social, and cultural impact of communication and media technologies as well as theoretical approaches and ethical concerns.

COM 2220 **Interviewing and Information (3)**
Study of the principles and practices of professional and personal interviewing with focus on gathering and analyzing information.

COM 2231 **Interpersonal Communication (3)**
Explores how people use verbal and nonverbal communication to accomplish personal and relational goals in romantic, professional, social, and family contexts.

COM 2241 **Fundamentals of Speech (3)**
This course is a study of the principles and practices basic to public speaking. This course is designed to enhance the student's verbal and non-verbal communication skills through oral communication theory and practical application.

COM 2243 **Honors Fundamentals of Speech (3)**
Study and application of the principles and practices basic to all areas of oral communication. As part of the university's Honors Program, the course is designed to achieve the student's leadership objectives through improved verbal and non-verbal communication skills by means of a focus on one substantive area of interest.

COM 2251 **Voice and Diction (2)**
Study of individual and group practice in the effective use and control of the mechanics of oral delivery with a focus on the "professional dialect" the general American dialect and/or the standard dialect. Includes use of the International Phonetic Alphabet.

COM 3324 **Gender Communication (3)**
Focuses on gender-related communication behavior and its implications for maintaining effective personal and professional relationships.

COM 3326 **Conflict Management (3)**
Equips students with communication principles and techniques to resolve disputes effectively.

COM 3328 **International/Intercultural Communication (3)**
Equips students with knowledge and skills essential for effective communication across national, ethnic, racial, cultural, and other diverse backgrounds.

COM 3341 **American Public Address (3)**
Study of the history and rhetorical criticism of major American speakers and their speeches from the Colonial to the Contemporary periods, with references to their biographical, intellectual, political and social contexts.

COM 334 **Debate and Advocacy (3)**
Prepares students to be effective advocates through the development of research and debate techniques.

COM 3345 Group Discussion and Leadership (3)
Study and application of the principles and practices of group problem solving through the study of the dynamics of discussion and group leadership.

COM 3365 Fundamentals of Speechwriting (3)
Equips students with the knowledge and skills necessary to write speeches effectively, focusing on structure, style, and adaption for various audiences.

COM 3370 Debate Lab (1)
Practical skills and knowledge necessary for effective communication in debate contexts. May be repeated 3 times for credit.

COM 3380 Travel Study in Journalism and Communication (3)
A Troy University faculty supervised study of journalism, communication and mass media through travel abroad or within the interior of the United States. May be repeated once for credit. *Prerequisite(s): Permission of instructor*

COM 4400 Special Topics in Communication Studies (1-3)
Examination of selected topics in communication studies not included in the established curriculum. Content may be of a historical, thematic, or technological nature. May be repeated for credit.

COM 4410 Communication Research (3)
Develops students' critical thinking skills through an introduction to the concepts and principles of social scientific research. *Prerequisite(s): At least Junior Standing or permission of instructor.*

COM 4420 Propaganda and Persuasion (3)
Develops understanding of ethical and unethical forms of persuasion and prepares students to recognize and apply techniques of influence and to identify manipulative tactics.

COM 4422 Rhetoric and Social Protest (3)
Develops students' understanding of social movements, emphasizing the strategies and philosophies that define them.

COM 4424 Communication and Rhetoric in Society (3)
Explores historical and contemporary communication theories and their practical application for effective communication from private and interpersonal contexts to public and professional settings.

COM 4426 Organizational Communication (3)
Develops students' understanding of organizational life through the study and practical application of communication theories and principles.

COM 4430 Health Communication (3)
Provides an overview of nature, contexts, theories and selected research shaping consumers' understanding of health-related issues.

COM 4441 Oral Interpretation (2)
A study and application of the principles and practices of oral interpretation (reading) of literature, including individual and ensemble performance.

COM 4460 Crisis Communication (3)
Prepares students to use communication effectively to anticipate and manage perceived and real crises.

COM 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

COM 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

COM 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note**: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

COM 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note**: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

COMPUTER SCIENCE

CS 2210 Applications of Computer Science (3)
This course provides students the concepts of data and techniques in data centric applications. The topics include but not limited to data entry, retrieval, preparation, analysis and visualization. Software tools are introduced to help the tasks.

CS 2220 **Numerical Methods in Computing (3)**
Introduces a broad range of mathematical problems and their applications in scientific computing using various numerical computation techniques. Topics include but not limited to numerical analysis, floating point arithmetic, computational algebra, iterative solution to nonlinear equations and interpolation. *Prerequisite(s): MTH 1112*

CS 2230 **Computational Innovation and Technopreneurship (3)**
This course equips computer science students with the skills to leverage creativity and innovation in the development of technology-driven solutions. Students will gain a deep understanding of how to generate and validate ideas, create prototypes and build scalable technology-based solutions that meet market demands. Through hands-on activities and collaborative projects, participants will learn how to approach problems creatively, design minimum viable products (MVPs), and develop sustainable business models for technical ventures.

CS 2250 **Computer Science I (3)**
An introduction to the theory and development aspects of a high-level programming language. The course covers programming methodologies, control structures, predefined and user defined functions, input/output streams, logical expressions, enumeration, repetition, multidimensional array and string manipulation, structures, searching, sorting techniques, and advanced input/output. Program analysis, design, development, and testing are emphasized. *Prerequisite(s): MTH 1112*

CS 2255 **Computer Science II (3)**
A continuation of Computer Science I to include advanced programming techniques including classes and data abstractions, inheritance and composition, pointers, virtual functions, overloading, exception handling, and recursion. Students analyze, design, implement, and test complex programs. *Prerequisite(s): CS 2250*

CS 2265 **Advanced Programming I (3)**
Provides student the opportunity to gain experience and training in an additional high-level language. Key topics include object-oriented programming principles, exception handling, file I/O, data structures, generics, multithreading, and graphical user interface (GUI) development. *Prerequisite(s): CS 2250*

CS 3310 **Foundations of Computer Science (3)**
A broad perspective of computer science concepts intended as preparation for more in-depth coverage in higher-level courses. Topics include machine and assembly language programming, computer system organization and operation, logic circuits, finite-state diagrams and programming language grammar, Boolean algebra, and circuit design considerations. *Prerequisite(s): MTH 1112*

CS 332 **Business Systems Programming (3)**
The study and application of a business-oriented programming language. Students apply a structured, multiphase program development process that features a series of steps involving understanding of problems, formal problem definition, design methodologies, program specification, and file definition as applied to business processing systems. The course includes the study and application of the following concepts: structured design methodology, divisions, arithmetic and intrinsic functions, decisions structures and logical control structures, iterative processes, case structure, error capture, batch processing, file manipulation, table manipulation, and interactive structures. *Prerequisite(s): CS 2255*

CS 3323 **Data Structures (3)**
A survey of data structures that includes lists, ordered lists, linked lists, stacks, queues and trees. Also included are measurement of program performance and how program performance is affected by alternative data structures. These concepts are presented within an object-oriented framework. Programming labs are included. *Prerequisite(s): CS 2255, MTH 1125, MTH 2215*

CS 3328 **Quantum Computing Fundamentals (3)**
This course is designed to provide students with a comprehensive understanding of the fundamental principles underlying quantum computing, covering both the theoretical foundations and practical aspects of this cutting-edge field. The topics covered include but are not limited to Quantum leap, Quantum information and theory, architectures and algorithms, and programming approaches. *Prerequisite(s): MTH 1125*

CS 3329 **Analysis of Algorithms (3)**
Alternative techniques to solve computer science problems are presented. Problems include sorting, searching, and graph traversal, lists, ordered lists, linked lists, stacks, queues, and trees. These concepts are presented within an object-oriented framework. *Prerequisite(s): CS 3323*

CS 3330 **Data Structures and Algorithms (3)**
A course in fundamental data structures concepts and alternative techniques for solving real-world problems in computer science. Concepts and application covered include analysis of data representation and associated algorithms, including linked lists, queues, stacks, arrays, graphs, trees, searching, sorting, string matching, and the application of recursive techniques. The course will place an emphasis on the implementation of various algorithms and data structures. *Prerequisite(s): CS 2255, MTH 2201, MTH 2215*

CS 3331 **Fundamentals of Artificial Intelligence (3)**
Approaches to the definition of artificial intelligence and to the design and implementation of intelligent computer systems. Topics include the Turing Test, Searle's Chinese Room, blackboard systems, logic programming, knowledge-based systems, scripts and schemas, and heuristic search techniques. *Prerequisite(s): CS 3323 or CS 3330*

CS 3332 **Software Engineering I (3)**
Topics are presented that focus on the design and development techniques for large high quality software systems. They include project management issues,

analysis and design methods, and approaches to testing. *Prerequisite(s): CS 3323 or CS 3330*

CS 3333 **Introduction to Cryptography (3)**
Discussion of mathematical foundations to the theory of cryptography. Topics include information theory, number theory, cryptographic protocols and various algorithms. *Prerequisite(s): MTH 1125*

CS 3334 **Foundations of Cyber Security (3)**
Course provides an introduction to cyber security. Topics include security protocols and policies, basic cryptography, various kinds of cyber threats and defenses, secure software design, key management, attack modeling and risk analysis. *Prerequisite(s): MTH 1112*

CS 3336 **Information Assurance (3)**
This course focuses on the managerial aspects of information security and assurance. Topics include access control model, information security governance and information security program assessment and metrics. Foundational and technical components of information security is discussed as well. *Prerequisite(s): CS 3334*

CS 3347 **Advanced Programming II (3)**
Provides student the opportunity to gain experience and training in an additional high level language. Topics include interactive techniques, arrays, multiple forms, data files and databases, grids, graphics, and custom objects. Emphasis is on finding creative solutions to application problems. *Prerequisite(s): CS 2255*

CS 3359 **Cyber Security Risk Management (3)**
Organization should be protected from threats and attacks from cyberspace. An appropriate management of cyber security risk is inventible to protect the business. This course covers broad range of non-technical and technical aspects (such as process, strategies, and policies) of risk management and its assessment in cyberspace.

CS 3360 **Concepts of Object Oriented Programming I (3)**
Provides students the opportunity to gain experience and training in an additional high level language. The course focuses on advanced topics including classes, objects, interfaces, applications, encapsulation, exceptions, multithreading, graphics, exception handling, files, and streaming. *Prerequisite(s): CS 2250*

CS 336 **Introduction to Computer Organization and Architecture (3)**
Organization and operation of computer systems are discussed. Topics include, but not limited to hardware components of digital computers, performance of computer systems, instruction set architectures, processor design, memory mapping and management and interrupt organization. *Prerequisite(s): CS 3310*

CS 3370 **Nature of Programming Languages (3)**
Basic principles and concepts of programming languages including what a programming language is, various paradigms that a language can follow, and how its syntactical and semantic structures can be specified. The traditional object-oriented paradigm will be presented as well as non-traditional paradigms based on symbolic logic (logic programming) and on functions in lambda calculus (functional programming). *Prerequisite(s): CS 3323 or CS 3330*

CS 3372 **Formal Languages and the Theory of Computation (3)**
Formal language theory, including the Chomsky hierarchy, is presented. Emphasis is placed on regular and context free grammars, finite state automata, and translators. *Prerequisite(s): CS 3323 or CS 3330*

CS 4410 **Introduction to Machine Learning (3)**
The course introduces machine learning concepts, algorithms, and applications, topics covered included but not limited to regressions, clustering, decision tree, Bayesian learning, support vector machine, deep learning, feature reduction, hypothesis, bias, and model fitting. The course will discuss applications of machine learning with an emphasis on programming and real world problem solving. *Prerequisite(s): CS 3323 or CS 3330*

CS 4420 **Introduction to Database Systems**
The fundamental concepts and structures necessary for the design and implementation of a database management system. Students design, load, and query a database using tools such as E-R diagrams and SQL. Also includes data normalization and file and index organization. *Prerequisite(s): CS 3323 or CS 3330*

CS 4443 **Web Application Development (3)**
Provides the essentials of Internet programming. Students will design and implement web applications utilizing various web technologies for the front-end and back-end development of the website. Applications will deal with many forms of data including graphics, audio, and video. Students use modern development tools and design methods to implement an enterprise web application. *Prerequisite(s): CS 3323 or CS 3330*

CS 4445 **Data Communication and Networking (3)**
Provides an overview of local-area and wide-area networked systems. Topics include but not limited to standards, topologies, management, and communication protocols. This course will discuss network systems with an emphasis on programming and real-world application development. This course involves hands-on projects. **Note:** Students majoring in Applied Computer Science or in the Computer Science Program may not apply this course to the Cyber Security minor or certificate. *Prerequisite(s): CS 3323 or CS 3330.*

CS 4447 **Systems Analysis and Design (3)**
Study of the analysis of computer-based information systems. Emphasis is placed on analysis, specifications development, design, and development of information systems, including the software and databases that support the business needs of organizations. Both data-oriented and process-oriented design methods are covered. Topics include the systems analyst, the systems development life cycle, methodologies, development technology, systems

planning, project management, systems analysis, systems design, systems implementation, and systems support. *Prerequisite(s): CS 3323 or CS 3330*

CS 4448 **Operating Systems (3)**
An overview of operating system functions and components. Issues include process definition, scheduling, and memory management. Various modern operating systems are compared. *Prerequisite(s): CS 3323 or CS 3330*

CS 4449 **Applied Networking (3)**
Provides an overview of computer networks and its use in industry environments. Topics include OSI model, TCP/IP, Ethernet, wireless network, client-server network, network hardware and software, network administration, application software, internetworking components, and key issues in network management. *Prerequisite(s): CS 4445*

CS 4450 **Computer and Network Forensics (3)**
Computer and network forensics have been essential to protect various devices and the users in today's network-driven computing environment. This course introduces fundamentals, principles and practices of computer and network forensics, and the list of topics covered includes computing basics, forensic tools and technologies, and various security aspect in a network and internet environment.

CS 4451 **Computer Security (3)**
Basic security concepts and principles applied to real-world applications. Introduces the major elements that go into a security implementation, including encryption, authentication, access control lists, execution control lists, vulnerability of operating systems, auditing, performing vulnerability analysis and risk assessment, developing a security plan and protecting data, systems and infrastructure. This course also builds on the fundamentals of reliability and safety engineering, which include software reliability, growth models, testing and stopping-rules, safety methods and redundancy. *Prerequisite(s): CS 3323 or CS 3330*

CS 4452 **Cyber Security Policies and Compliance (3)**
Course introduces the development of effective cybersecurity policies within the organization-wide cybersecurity framework. Topics including cyber law, cyber policy, intellectual property, privacy, professional responsibility, and global societal impacts. *Prerequisite(s): CS 3334*

CS 4453 **Ethical Hacking (3)**
Course provides an introduction to the principles, techniques, and tools of ethical hacking. Topics include information gathering and scanning, vulnerability analysis and exploitation. Emphasis is placed on hands-on and practical real world security threats and remedies. *Prerequisite(s): CS 4445 or CS 4449*

CS 4454 **Secure Software Development (3)**
Focuses on a comprehensive understanding of what the secure software development is. Topics include but not limited to secure software programming concepts and techniques and its application to identify threats and vulnerabilities of software. In addition, students will have opportunities to apply secure requirement process to the secure software life cycle (SSDLC), including requirement specification, requirement analysis and architectural design. *Prerequisite(s): CS 3323*

CS 4455 **Cyber Security Techniques and Practices (3)**
This course introduces various tools and techniques used to secure computer systems. Topics include packet analysis with diagnostic software, firewall configuration, conduct forensic investigation, etc. *Prerequisite(s): CS 4453*

CS 4456 **Front-End Development (3)**
Front end development and performance issues are discussed. Contemporary front-end UI tools and frameworks are studied. Focus will be on Script-based frameworks and data styling and presentation solutions for building UIs. Students will learn how to build service oriented responsive client-side applications. *Prerequisite(s): CS 4443*

CS 4457 **Server-Side Development (3)**
Server-side development, performance and testing issues are discussed. Students will learn about Backend as a service (BaaS) and database solutions for CRUD (Create, Read, Update, Delete) operations. REST API development model is followed. *Prerequisite(s): CS 4443*

CS 4458 **Mobile Application Development (3)**
Application development issues for mobile handheld devices are discussed. Students will learn about components in smart phones including but not limited to services, inter-process communication, content providers, etc. Focus will be on the test-driven development of maintainable mobile apps. Both front end and back-end issues will be discussed using a state-of-the-art programming framework. *Prerequisite(s): CS 3360*

CS 4480 **Study Abroad in Computer Science (1-3)**
The Computer Science Study Abroad provides students with the opportunities to take computer science courses at universities overseas. *Prerequisite(s): Chair's/Program Director's Approval Needed*

CS 4495 **Special Topics in Computer Science (3)**
Topics in computer science that are not included in a regular course offerings. Specific contents are announced in the course schedule for a given term. Prerequisite(s): Senior Standing or consent of instructor must be completed prior to taking this course.

CS 4499 **Internship in Computer Science (1-3)**
The Computer Science Internship is a supervised work experience that provides students with the opportunity to gain applied work experience in their field of study. *Prerequisite(s): Chair's/Program Director's Approval Needed*

DANCE

DAN 1112 **Contemporary Technique I (2)**
Designed for the dance major, DAN 1112 is the

study of beginning/intermediate Contemporary dance, including dynamic alignment, body/mind connection, increased vocabulary and musicality, with emphasis on artistry through the contemporary aesthetic. *Prerequisite(s): Placement*

DAN 1115 Ballet Technique I (2)
Designed for the dance major, DAN 1115 is the study of beginner/intermediate ballet technique, including safe and efficient alignment and clear articulation of movement vocabulary with emphasis on increased vocabulary and musicality. *Prerequisite(s): Placement*

DAN 1130 Social Dance in the 21st Century (1)
A cross-cultural survey of theories and styles of dance, their relationship to societal contexts and other art forms.

DAN 1132 Beginning Contemporary for Non majors (1)
Refinement of technical skills in contemporary/modern dance at the intermediate level, including intermediate movement capabilities, rhythmic structures, spatial relationships, movement vocabulary with emphasis on aesthetic and expressive qualities that lead to performance. *Prerequisite(s): Placement*

DAN 1134 Ballroom Dance (1)
An introduction to social dancing with an emphasis on American ballroom dances (foxtrot, waltz, swing) and Latin ballroom dances (cha cha, mambo, tango). Equivalent to KHP 1134.

DAN 1135 Beginning Ballet for Non-Majors (1)
The development of technical skills in beginning ballet, including safe and efficient alignment and clear articulation of movement vocabulary with emphasis on increased vocabulary and musicality.

DAN 1136 Jazz I (1)
The study and application of the fundamental concepts, skills, movement vocabulary, and artistic expression specific to beginning jazz dance.

DAN 1137 Tap I (1)
Progressive development of beginning to low/intermediate movement concepts, skills, vocabulary, and styles specific to tap dance.

DAN 1150 Creative Habit (1)
A component of the Department of Theatre and Dance First Year Initiative program (FYI), Creative Habit is part of the introductory learning community established at the entry level for incoming theatre and dance students. Centering on Twyla Tharp's book The Creative Habit, the learning community examines strategies for successful studies in theatre and dance. *Co-requisite(s): THE 1130 and TROY 1101.*

DAN 2200 Orientation to Dance (2)
Introduction to the basic concepts and principles common to ballet, contemporary and jazz dance through studio experience, discussions and concert attendance. This is a skills class.

DAN 2212 Contemporary Technique II (2)
Designed for the dance major, DAN 2212 is the study of intermediate modern, including dynamic alignment, body/mind connection, complex center and across the floor phrase work with increased vocabulary and musicality. *Prerequisite(s): Placement*

DAN 2214 Pointe Ballet Technique I (2)
Designed for the female dance major, DAN 2214 is the foundational study of pointe work technique using specially reinforced shoes called pointe shoes. Students will focus on Barre and center work that will introduce the foundation and basics needed to strengthen the student's legs and torso to overcome the demands of dancing in pointe shoes. The class will offer an increased vocabulary specific to dance on pointe.

DAN 2215 Ballet Technique II (2)
Designed for the dance major, DAN 2215 is the further development of technical skills in intermediate ballet, including dynamic alignment, body/mind connection, with emphasis on self-expression through the ballet aesthetic, increased vocabulary and musicality. *Prerequisite(s): Placement*

DAN 2228 Contemporary Partnering (1)
Designed for all skill levels, this class will focus on contemporary partnering and weight-sharing technique. The course will introduce special vocabulary vital to the enhancement of skills needed to become a complete and secure partner.

DAN 2232 Beginning-Intermediate Contemporary for Non-Majors (2)
Refinement of technical skills in contemporary/modern dance at the intermediate/high intermediate level, including complex movement capabilities, rhythmic structures, spatial relationships, movement vocabulary with emphasis on aesthetic and expressive qualities that lead to performance. *Prerequisite(s): Audition placement or permission of the Department of Theatre and Dance*

DAN 2235 Beginning-Intermediate Ballet for Non-majors (2)
Further development of technical skills in beginner/intermediate ballet, including dynamic alignment, body/mind connection, with emphasis on self-expression through the ballet aesthetic, increased vocabulary and musicality. *Prerequisite(s): Placement*

DAN 2236 Jazz II (2)
The study and application of the fundamental concepts, skills, movement vocabulary and artistic expression specific to jazz dance. *Prerequisite(s): Placement*

DAN 2237 Tap II (1)
Progressive development of intermediate to intermediate/high movement concepts, skills, vocabulary, and styles specific to tap dance. *Prerequisite(s): Placement*

DAN 2240 Writing for Dance (2)
This class will guide the student through a variety of ways to write for and about dance. From free writing

to formal research, students will gain skills to think and write critically about dance as an artistic, cultural, educational, social art form. *Prerequisite(s): ENG 1102. Co-requisite(s): DAN 4410*

DAN 2250 **Music Fundamentals for Theatre and Dance (2)**
Fundamental music skills for theatre and dance, including those for musical theatre, stage management, dance, and actors. The course focuses on reading music (rhythm and melody), vocabulary, development of aural skills, and an introductory recognition of the piano keyboard.

DAN 2252 **Methods of Teaching Dance (3)**
Social, folk and square dancing, including basic rhythmic activities which can be taught in elementary, middle and high schools. Equivalent to KHP 2252.

DAN 2289 **The Dance Professional (1)**
A preparation course that provides upper-level students with the tools to launch their professional dance career and livelihood. *Prerequisite(s): Junior status*

DAN 3300 **Musical Theatre Dance I (2)**
The exploration of the genre of musical theatre dance examining storytelling, script, music, and mood through movement. This course will focus on early American jazz and tap styles related to theatre production by working with selected pieces from the mid-20th century including that of Gene Kelly, Fred Astaire, Jerome Robbins, and other icons of this period. *Prerequisite(s): DAN 1135*

DAN 3312 **Contemporary Technique III (2)**
Designed for the dance major, DAN 3312 is the study of advanced modern dance, including dynamic alignment, body/mind connection, and increased vocabulary with emphasis on artistry through the contemporary aesthetic. Students will focus on complex center and across the floor combinations with an emphasis on musicality and a greater understanding of anatomical alignment. *Prerequisite(s): Placement*

DAN 3314 **Pointe Ballet II (2)**
Designed for the intermediate/advanced female dance major, DAN 3314 is the further development of pointe work technique using specially reinforced shoes called pointe shoes. Barre and center work will strengthen the student's legs and torso, increasing vocabulary, comfort, and ease of movement while dancing on pointe. *Prerequisite(s): Pointe Ballet I or Placement*

DAN 3315 **Ballet Technique III (2)**
Designed for the dance major, DAN 3315 is the further development of technical skills in advanced ballet, including dynamic alignment, body/mind connection, increased vocabulary, with emphasis on the qualities of self-expression and musicality which lead to performance. *Prerequisite(s): Placement*

DAN 3330 **Special Topics in Dance (1-3)**
Special topics in dance.

DAN 3332 **Intermediate Contemporary for Non- majors (2)**
Continued refinement of technical skills in contemporary/modern dance at the high intermediate/advanced level, including complex movement capabilities, rhythmic structures, spatial relationships, movement vocabulary with emphasis on aesthetic and expressive qualities that lead to performance. *Prerequisite(s): Placement*

DAN 3335 **Intermediate Ballet for Non-majors (2)**
Further development of technical skills in advanced ballet, including dynamic alignment, body/mind connection, with emphasis on self expression through the ballet aesthetic. *Prerequisite(s): Placement*

DAN 3336 **Jazz III (2)**
The study of the advanced concepts, skills, movement vocabulary and artistic expression specific to jazz. *Prerequisite(s): Placement*

DAN 3340 **Dance Composition and Choreography I (2)**
An exploration of movement and an analytical study of the art of making dances. The course will concentrate on the four basic elements of composition: space, shape, time and energy. *Prerequisite(s): Permission of the Department of Theatre and Dance*

DAN 3350 **Conditioning (2)**
Designed to complement the dancer's regimen, DAN 3350 will focus on a hybrid conditioning experience to include pilates, yoga, floor barre, jogging, and swimming, improving the dancer's overall strength, stamina, flexibility and muscle tone and will assist in overcoming specific musculature weaknesses.

DAN 3351 **Men's Ballet Technique (2)**
Designed for male dance majors, the course will focus on the elements necessary for improving the vocabulary of the male dancer, such as jumps, turns, and line. The course will focus on dynamics necessary to increase speed, coordination, and elevation, especially as needed to execute big jumps. Anatomical placement, strength, and musicality will be the emphasis to build confidence in men's variations, in classical and contemporary styles.

DAN 3352 **Pas de deux (2)**
Designed for the intermediate dance major, DAN 3352 is the study of partnering technique. The course will focus on the elements needed for the female and the male dancer to develop a foundation for dancing together, progressing technically through promenades, lifts, turns, and jumps. The course will introduce special vocabulary that is used only in partnering which enhances the skills needed to become a complete and secure dancer.

DAN 3353 **Anatomy and Alignment (3)**
This course covers aspects of anatomy and kinesiology that directly apply to correct development of dance technique, emphasizing exercises and imagery for floor and center work to correct insufficient muscle patterns and is designed to give dance majors a practical, functional, and theoretical understanding of kinesiology such as identifying bony landmarks,

muscles, and joint actions as well as injury prevention.

DAN 3354 Improvisation (2)
This course introduces students to the art of improvisation. They will examine the elements of and approaches to the improvisational process as they develop their ability to react imaginatively to extemporaneous situations created through dance. This course will focus on spontaneous problem solving through the exploration of movement and will evoke the student's individual creative process while maintaining the sense of ensemble.

DAN 3355 Commercial Dance I (2)
This course addresses the needs of dancers who aspire to perform in television, music videos, or on stage. Students will receive intermediate technical instruction in a variety of dance forms and styles that will introduce them to the commercial industry. With an emphasis on the artistry of the commercial dance aesthetic, students will develop technical skills, including dynamic alignment and body/mind connection, increased musicality, and movement vocabulary. Special attention will be placed on tricks, jumps, and turns.

DAN 3356 Commercial Dance II (2)
This course addresses the needs of advanced dancers who aspire to perform in television, music videos, or on stage. Students will receive advanced technical instruction in a variety of dance forms and styles, which will expand on principles established in Commercial Dance I. *Prerequisite(s): DAN 3355*

DAN 3360 Musical Theatre Dance II (2)
Further exploration of the genre of musical theatre dance examining storytelling, character, script, score, and mood through movement. This course will focus on late 20th century (1975 forward) and contemporary dance and movement styles related to theatre productions. *Prerequisite(s): DAN 1135*

DAN 3380 Travel Study in Dance (1-3)
Supervised study of dance through travel abroad or within the United States. May be repeated for credit. *Prerequisite(s): Permission of instructor.*

DAN 3389 Creative Project Conception (1)
Part one of a two-part creative process, this course gives students a practical opportunity, working closely with faculty, to conceive, propose, and plan for the presentation of their project: any faculty-approved creative venture focused on the art of dance. *Prerequisite(s): Junior status and DAN 2289*

DAN 4400 Repertory Ensemble (1)
Designed for auditioned members of the TROY Dance Repertory Ensemble. *Prerequisite(s): Audition or invitation.*

DAN 4410 The History of Ballet (3)
A survey of ballet history from the 16th century through the Balanchine era, focusing on the rise of ballet as a communicative art form. *Prerequisite(s): ENG 1102 passed with at least a "C'. Co-requisite(s): DAN 2240*

DAN 4411 The History of Modern-Contemporary Dance (3)
A survey of the purposes, functions, and manifestations of American and European dance forms from the beginning of the 20th century to the present. Dance History II covers the forerunners and pioneers of modern dance; avant-garde and post-modernists; and the artists of jazz, tap, Broadway, film, and current media, introducing dance students to the innovators, dancers, and choreographers responsible for shaping 20th and 21st century dance.

DAN 4412 Contemporary Technique IV (2)
For the Dance major. Study of pre-professional modern dance, including dynamic alignment, body/mind connection, and increased vocabulary with emphasis on artistry through the contemporary aesthetic. Students will focus on complex center and across the floor combinations with an emphasis on musicality and a greater understanding of anatomical alignment. *Prerequisite(s): Placement*

DAN 4415 Ballet Technique IV (2)
For the advanced major. Further development of technical skills in a semi-professional level ballet class, including dynamic alignment, body/mind connection, increased vocabulary, with emphasis on the qualities of self-expression and musicality, which enhance performance abilities. *Prerequisite(s): Placement*

DAN 4440 Composition and Choreography II (3)
Exploring movement and analytical study of the art of making dances at the advanced level. Concentration on the four basic elements of composition-space, shape, time, and energy. By Choreography II, students should be crafting full-length dances. *Prerequisite(s): DAN 3340 passing with a grade of C or higher*

DAN 4478 Pedagogy for Contemporary Dance (2)
A comprehensive study of the pedagogical skills required to plan and deliver an effective class for contemporary dance trends. Students will learn to identify goals, develop objectives, construct, and sequence class instruction with focused attention to phrasing, musicality, proper alignment, and injury prevention particular to trends studied.

DAN 4480 Pedagogy for Ballet (2)
A comprehensive study of the pedagogical skills required to plan and deliver an effective classical ballet class. Students will learn to identify goals, develop objectives, construct, and sequence the ballet class with focused attention to phrasing, musicality, proper alignment, and injury prevention.

DAN 4489 Creative Project Presentation (2)
Part two of a two-part process, this course is designed to give students practical autonomy over the preparation, production, and presentation of the creative project begun in DAN 3389. *Prerequisite(s): Senior status and DAN 3389*

DAN 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and

Research" under Academic Regulations for additional information. Note: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

DAN 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

EARLY CHILDHOOD EDUCATION

ECE 3315 Assessment in ECE (3)
Child observation, documentation, and other forms of assessment central to the practice of all early childhood professionals will be presented. The goals, benefits and uses of assessment will be studied. Systematic observations, documentation, and other effective assessment strategies used in a responsible way, in partnership with families and other professionals, to positively influence the development of every child will be explored. *Prerequisite(s): Admission to TEP*

ECE 3325 Child Growth & Development (Birth to 8 years) (3)
The purpose of this course is to provide candidates a child development knowledge base. Candidates will use their understanding of young children' characteristics and needs, and of multiple interacting influences on children's development and learning, to create environments that are healthy, respectful, supportive, and challenging for each child. This course will include a minimum of 15 hours of clinical field experience in a child care setting. *Prerequisite(s): Admission to TEP*

ECE 3340 Language Acquisition (3)
The purpose of this course is to assist candidates as they investigate and construct an operational knowledge of young children's language and literacy acquisition. A wide array of developmentally appropriate approaches, instructional strategies, and tools to connect with children and families and positively influence each child's development and learning will be explored. This course includes 15 hours of clinical field experiences where students interact with diverse learners through observation and participation in the application of appropriate language and literacy experiences, including technology. *Prerequisite(s): Admission to TEP*

ECE 3385 Primary Math & Science (3)
The purpose of this course is to assist candidates as they investigate and construct an operational knowledge of young children's construction of logico-mathematical and physical knowledge. This course includes 15 hours of clinical field experiences where students interact with diverse learners through observation and participation in the application of developmentally appropriate approaches, instructional strategies, and tools to connect with children and families and positively influence each child's development and learning. *Prerequisite(s): Admission to TEP*

ECE 3391 Social Studies; Community & Family (3)
This course prepares candidates to understand that successful early childhood education depends upon partnerships with children's families and communities. Knowledge, understanding, and valuing the importance and complex characteristic of children's families and communities will be used to create respectful, reciprocal relationships that support and empower families, and involve families in their children's development and learning. A minimum of 15 hours of clinical field experience will be required. *Prerequisite(s): Admission to TEP*

ECE 4401 Integrated Program (3)
This course is designed to prepare early childhood majors to use their knowledge of academic disciplines to design, implement and evaluate experiences that promote positive development and learning for each and every young child. The essential concepts, inquiry tools, and structure of content areas, including academic subjects, and resources to deepen their understanding will be explored. A minimum of 15 hours clinical field experience is required. *Prerequisite(s): Admission to TEP*

ECE 4454 Internship Seminar for Early Childhood Education (3)
This course provides seniors an opportunity during internship to examine broad educational issues and concerns, topics on the state and local levels and those of personal interest. The scope of the course ranges from juvenile law, classroom management professionalism, professional development for teachers and other course topics. *Prerequisite(s): Admission to TEP; Co-requisite(s): ECE Internship*

ECE 4474 Internship in Early Childhood Education (9)
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite(s): Admission to TEP. Co-requisite(s): ECE 4454*

INTERNATIONAL ECONOMIC DEVELOPMENT

ECD 3362 **Applied Spatial Analysis for Business (3)**
This introductory course prepares students to become decision makers able to analyze business data, both internal and external, from a spatial perspective utilizing geographic information systems software.

ECONOMICS

ECO 1150 **Survey of Economics (3)**
This course is a study of commerce and economics and their impact on society, technology, and business. This course will cover basic commerce and economics terminology and concepts important to managers.

ECO 2251 **Principles of Macroeconomics (3)**
Macroeconomic theory of the national economy with emphasis on income, employment, banking, and public policy.

ECO 2252 **Principles of Microeconomics (3)**
Microeconomic theories of value, production, distribution of income, and basic international economic analysis.

ECO 2253 **Honors Principles of Macroeconomics (3)**
Macroeconomics theory of the national economy with emphasis on income, employment, banking and public policy for the superior student. *Prerequisite(s): SCOB Honors Student/permission of the Associate Dean*

ECO 2254 **Honors Principles of Microeconomics**
Microeconomic theories of value, production, distribution of income, and basic international economic analysis for the superior student. *Prerequisite(s): SCOB Honors Student/permission of the Associate Dean*

ECO 3350 **Honors Intermediate Macroeconomics (3)**
Study of the variables affecting employment, income, and prices. Monetary theory and theories of fluctuation are reviewed. Policies dealing with economic stabilization are examined. This course is designed for Sorrell Global Scholars honors students. *Prerequisite(s): Sorrell Global Scholars student or permission of Associate Dean; ECO 2251 or ECO 2253*

ECO 3351 **Intermediate Macroeconomics (3)**
Study of the variables affecting employment, income, and prices. Monetary theory and theories of fluctuation are reviewed. Policies dealing with economic stabilization are examined. *Prerequisite(s): ECO 2251*

ECO 3352 **Intermediate Microeconomics (3)**
Study of price and distribution theory as it relates to households, firms, and industries. Theories of factor prices and general equilibrium are also examined. *Prerequisite(s): ECO 2252*

ECO 3353 **Money and Banking (3)**
Principles of money, credit, and banking including monetary systems, theories, and commercial banking operations related to the Federal Reserve System. *Prerequisite(s): ECO 2251 and ECO 2252*

ECO 3354 **Honors Intermediate Microeconomics (3)**
Study of price and distribution theory as it relates to households, firms, and industries. Theories of factor prices and general equilibrium are also examined. *Prerequisite(s): Sorrell Global Scholars student or permission of Associate Dean; ECO 2252 or ECO 2254*

ECO 3355 **Labor Economics (3)**
Employment, unionism, labor-management relations and human capital. *Prerequisite(s): ECO 2252*

ECO 3360 **Entrepreneurial Economics (3)**
This course presents a wide-ranging overview of the place of entrepreneurship in economic theory, with a special focus on applications to institutions, organizations, strategy, economic development, and related fields. An emphasis on historical pieces on the economics of entrepreneurship as well as modern applications will be studied. *Prerequisite(s): ECO 2251 and ECO 2252 or ENT 2210*

ECO 3361 **Sports Economics (3)**
Sports Economics introduces essential core economic concepts and then develops them with examples and applications from the sports industry. The sections are devoted to illustrating prominent areas of economics: industrial organization, public finance, labor economics, and econometrics. *Prerequisite(s): ECO 2251, ECO 2252*

ECO 3362 **Public Choice (3)**
Public choice applies economic tools and methodology to the study of public decision-making. The emergence of government, collective choice within government, effects of legislative structures on outcomes, the role of interest groups as compared to that of the median voter, rent-seeking, bureaucracy, regulation, the size and scope of government, and alternative forms of governance. *Prerequisite(s): ECO 2251, ECO 2252*

ECO 3363 **Mathematical Economics (3)**
This course develops the mathematical treatment of theory of firm, household behavior, stabilization policy, growth theory, input-output analysis, and linear programming. *Prerequisite(s): ECO 2251, ECO 2252, AND MTH 1125, or MTH 2201*

ECO 3365 **History of Economic Thought (3)**
This course surveys the main schools in the history of the development of economic thought. *Prerequisite(s): ECO 2251, ECO 2252*

ECO 4434 **International Economics (3)**
An advanced analysis of the principles underlying international trade and international finance. This course is for Economics Majors. Students who have taken ECO 4451 cannot take ECO 4434 for credit. *Prerequisite(s): ECO 2251 & ECO 3352*

ECO 4450 Honors Economics Seminar (3)
Current problems in economics. This course is designed for Sorrell Global Scholars honors students. *Prerequisite(s): Sorrell Global Scholars student or permission of Associate Dean; ECO 3350 and ECO 3352*

ECO 4451 Economics of Globalization (3)
Principles underlying international trade and international finance. *Prerequisite(s): ECO 2252 & Lower-level core*

ECO 4452 Environmental Economics (3)
Theoretical and empirical examination of natural resource and environmental economics. *Prerequisite(s): ECO 2252*

ECO 4453 Public Finance (3)
An analysis of the principles underlying government expenditure and taxation programs presented from both a theoretical and a pragmatic perspective. *Prerequisite(s): ECO 2252*

ECO 4454 Economic History: The Rise of the Western World (3)
A study of the institutional factors that contributed to the Western world's economic growth. *Prerequisite(s): ECO 2251, ECO 2252 and one introductory HIS course*

ECO 4455 Comparative Economic Systems (3)
An analysis of the economic systems of capitalism and socialism focusing upon how a multitude of specific nations in the Americas, Europe, and Asia, such as the United States, Mexico, Germany, Poland, Japan, and China, et al., arrange and conduct economic affairs in the 21st century. *Prerequisite(s): ECO 2251 or ECO 2252*

ECO 4456 The Economics and Moral Foundations of Capitalism (3)
A study of the interrelationship between markets and morals. Investigates the role ethics and ethical ideas play in understanding economic life. *Prerequisite(s): ECO 2251, ECO 2252*

ECO 4457 Econometrics (3)
A study of the methods used to empirically verify economic theory. Statistical inference applied to economic models, both micro and macro. *Prerequisite(s): ECO 2251, ECO 2252 and QM 2241, or SS 3376, or STAT 2210*

ECO 4458 Law & Economics (3)
An economic analysis of the legal system that explores the efficiency of different legal decisions. *Prerequisite(s): ECO 2251, ECO 2252*

ECO 4459 Economics Seminar (3)
Current problems in economics. *Prerequisite(s): ECO 3351 and ECO 3352*

ECO 4460 Regional and Urban Economics (3)
The economics of cities and urban problems and the effects of geographic location on the decisions of individuals and firms. The importance of location in everyday choices is easily assessed from our day-to-day lives, yet traditional microeconomic models are spaceless. *Prerequisite(s): ECO 2251, ECO 2252*

ECO 4461 Austrian Economics (3)
The historical and philosophical roots of the Austrian School, the impact it has had within the economics profession, and the unique insights it has provided in such areas as the theory of value, monetary theory, and business cycles. *Prerequisite(s): ECO 2251 and ECO 2252*

ECO 4462 Game Theory (3)
This course provides an introduction to game theory with applications to economics. Moreover, the course presents an approach to modeling a social situation as a game and develops techniques for solving the game in order to gain insight to individual behavior. *Prerequisite(s): ECO 2251, ECO 2252, AND MTH 1125, or MTH 2201*

ECO 4463 Honors Economics of Globalization (3)
Principles underlying international trade and international finance. *Prerequisite(s): ECO 2252 and lower-level core and SCOB honors student*

ECO 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may not be substituted for any required course. This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

ECO 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may not be substituted for any required course. This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

ECO 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

ECO 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

ECO 4499 **Internship (3)**
The Economics Internship provides is a supervised work experience that provides students with the opportunity to gain applied work experience their field of study. Students with the opportunity to gain real-world experience in their field of study. Students are interviewed and selected by the individual companies offering the internship. This course may be repeatable and must comply with the SCOB internship policy. See the Economics division chair for details.

EDUCATION

EDU 2220 **Introduction to International Education (3)**
This course is designed as a general introduction to the field of international education, broadly defined. In addition to exploring educational structures, philosophies and curricula of selected countries outside of USA, students will examine educational issues, challenges, and outcomes from a global perspective. Prominent issues related to education, including history, cultural traditions, politics, globalization, poverty, gender issues, and the legacy of colonization will be examined and discussed. Students will also explore and compare US education with the educational systems and contests of other countries.

EDU 2230 **Fundamentals of Teaching (3)**
The course is designed for students who are interested in pursuing careers in education. It will include in-depth coverage of significant components of the teaching profession, to include lesson development and planning, classroom management, educator dispositions, and curriculum implementation.

EDU 3303 **Educational Psychology and Classroom Assessment (3)**
Characteristics of the learner and the teaching-learning process. Theories of learning, instruction, and motivation, and their application to students in grades P-12.

EDU 3305 **Teaching with Technology (3)**
This course is designed to introduce prospective teachers to currently available technology and to prepare them to use various media for their own education as well as in their professional careers. Students are expected to become comfortable in the use of various media and to explore the possibilities for the use of media in the classroom. Emphasis is given to ways in which multimedia can be used to meet the needs of the varying learning styles.

EDU 3308 **Integrated STEM (3)**
Science, technology, engineering, and mathematics (STEM) literacy is a critical component of 21st century education. The central tenet of STEM literacy is the preparation of people who are knowledgeable of the connections between the content and practices of the STEM fields. This course will foster students' abilities to teach in an integrative way through real world design based problems that both stimulate and teach students to think critically. **Note:** Should be taken semester prior to internship. *Prerequisite(s): Admission to TEP; must have taken or be concurrently enrolled in ELE 3361, ELE 3362*

EDU L308 **Integrated STEM Lab (1)**
Science, technology, engineering, and mathematics (STEM) literacy is a critical component of 21st century education. The central tenet of STEM literacy is the preparation of people who are knowledgeable of the connections between the content and practices of the STEM fields. This course will foster students' abilities to teach in an integrative way through real world design based problems that both stimulate and teach students to think critically. **Note:** Should be taken semester prior to internship. *Prerequisite(s): Admission to TEP; must have taken or be concurrently enrolled in ELE 3361, ELE 3362*

EDU 3310 **Introduction to Education (3)**
This course provides a broad overview of education, teaching and schools, and an orientation to the Teacher Education Program. Multiple field experiences in school settings are required as part of the course. This is a prerequisite course for most other education courses.

EDU 4400 **Classroom Management (3)**
This course is designed for all education majors. The purpose of this course is to establish a foundation of content and application relative to classroom management and discipline, emphasizing reflection, decision making, and integrated teaching/learning strategies. Methodologies utilized will include discussion, lecture, field experience, case studies, problem solving sessions, projects, and research.

EDU 4471 **Curriculum and Instructional Delivery (3)**
This course offers a survey of school curricula, organizational patterns for school systems and classrooms. It is designed for Early Childhood Education, Elementary Education, Special Education, and Middle and Secondary Education majors. Various instructional strategies, major philosophies and learning theories are examined. **Note:** Should be taken semester prior to internship. *Prerequisite(s): Admission to TEP*

EDU 4476 **Internship in Elementary/K-6 Collaborative Teacher (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate

skills of an informed, reflective decision maker throughout the internship experience. *Prerequisite(s): TEP Admission. Co-requisite(s): ELE 4454*

EDU 4477 Internship in Elementary/K-6 Collaborative Teacher (9)
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes in both SPE K-6 and SPE 6-12 classrooms, and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of an informed, reflective decision maker throughout the internship experience.

EDU 4478 Practicum II (3)
The practicum is designed to provide a supervised experience related to instruction in the areas of mathematics, science and STEM education. A diverse set of concepts, skills, and pedagogical practices pertaining to these three core areas will be emphasized in the field in conjunction with co-requisite coursework. The application of current research and evidence based mathematical, science, and STEM instructional practices will be hallmarks of the practicum experience. *Prerequisite(s): Admission to TEP*

EDU 4490 Global Identity (1-3)
Studying abroad is a transformative experience that has the power to challenge our thinking and our perspective on the world. This course aims to attract students across disciplines, to promote interprofessional development, and to prepare them to expand their understanding of their global identity and communicate their growth in intercultural competence toward their personal and professional development. Students make connections between their study abroad experience and the broader range of skills connected with this experience, to become a competitive member of a global workforce.

EDU 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. Guided Independent Research may be taken only in the applicant's major or minor field.*

EDU 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

EDU 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

EDU 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

ELECTRICAL & ELECTRONICS ENGINEERING

EEE 2201 Introduction to Engineering (3)
This interdisciplinary course introduces fundamental engineering concepts relevant to Electrical and Electronics Engineering, Computer Engineering, Biomedical Engineering, and Materials Engineering. Students will explore core engineering principles, problem-solving methodologies, and the engineering design process while gaining exposure to computational tools, technical communication, and ethical considerations. The course emphasizes real-world applications through hands-on projects, teamwork, and case studies, fostering critical thinking and innovation. Topics include circuit fundamentals, basic programming, materials properties, biomedical devices, and emerging technologies, preparing students for advanced coursework and engineering problem-solving in their respective fields.

EEE 2220 DC Circuit Analysis (3)
This course primarily deals in providing a thorough understanding of the fundamental concepts of DC (Direct Current) circuits such as current, voltage, resistance, Ohm's Law, Power and Energy, series and parallel circuits, methods of circuit analysis and network theorems. Basics of Magnetism and electromagnetism is also covered. Also, a circuit simulation tool is introduced and used to build and test DC circuits. *Co-requisite(s): EEE L220*

EEE L220 DC Circuit Analysis Lab (1)
This course acquaints the concept of the topics related to DC circuits through the hands-on experiments and simulations. *Co-requisite(s): EEE 2220*

EEE 2221 AC Circuit Analysis (3)
This course primarily deals with introduction to AC (Alternating Current), the laws and concepts which describe the behavior of AC circuits. Topics related to the introduction to capacitors, inductors followed by their behavior in RL, RC, and RLC circuits is analyzed using circuit theories. Transformer theory is also introduced and covered. Also, a circuit simulation tool is used to build and test AC circuits and to demonstrate the use of an oscilloscope. *Prerequisite(s): EEE 2220. Co-requisite(s): EEE L221*

EEE L221 AC Circuit Analysis Lab (1)
This course acquaints the theoretical models and concepts of the topics through the hands-on experiments and simulations. *Co-requisite(s): EEE 2221*

EEE 3311 Semiconductor Devices I (3)
This foundational course familiarizes the theory and concepts of modern solid-state devices by introducing the fundamental concepts of P-N junction diodes, Bipolar Junction Transistors (BJT), and Field-Effect Transistors (FET). Also, diode and transistor related circuits along with the biasing AC models are covered. Emphasis is placed on their characteristics and application, such as rectifiers and amplifiers. Circuit simulation software is used to design and analyze basic diode and transistor circuitry. *Prerequisite(s): EEE 2221, EEE L221. Co-requisite(s): EEE L311*

EEE L311 Semiconductor Devices I Lab (1)
This course acquaints the theory and concepts of diode, transistors and FET transistor topics through the hand-on experiments and simulations. *Co-requisite(s): EEE 3311*

EEE 3312 Semiconductor Devices II (3)
This course is the second in a two-part sequence on electronic devices. Building on the principle of diode and transistor operations that are introduced in the first electronic devices course, this course covers the topics including power amplifiers, emitter followers, differential amplifiers, operational amplifiers and other special purpose devices. Working and operation characteristics of JFETs and MOSFETs are also introduced. Frequency response, system applications and troubleshooting are also emphasized. Finally, concludes with a treatment of oscillators and power supplies. *Prerequisite(s): EEE 3311, MTH 1126. Co-requisite(s): EEE L312*

EEE L312 Semiconductor Devices II Lab (1)
This course acquaints the theory and concepts of the topics through the hand-on experiments and simulations. *Co-requisite(s): EEE 3312*

EEE 3313 Electronic Properties of Materials (3)
This course explores the fundamental electronic properties of materials with a focus on semiconductors and commonly used materials in engineering applications. Topics include electrical conductivity, band theory, charge carrier transport, and the impact of material structure on electronic behavior. Emphasis will be placed on semiconductor physics, doping mechanisms, and applications in electronic and optoelectronic devices. *Co-requisite(s): EEE L313*

EEE L313 Electronic Properties of Materials Lab (1)
This lab course provides hands-on experience in exploring the electronic properties of materials, with a focus on semiconductors and other commonly used materials in engineering. Experiments will cover electrical conductivity, bandgap determination, charge carrier transport, and doping effects. Students will use measurement techniques such as four-point probe, Hall effect characterization, and semiconductor device testing to analyze material behavior and performance in electronic applications. *Co-requisite(s): EEE 3313*

EEE 3315 Digital Electronics & Logics Circuits (3)
This is an introductory course to the fundamentals of digital electronics. Topics covered include number systems, codes, logic gates, Boolean Algebra, combination logic systems design, flip-flops, counters and registers. Advanced concepts in combinational circuits, decomposition of switching functions, modular realization of switching circuits, sequential functions and circuits, and memory elements are also covered. *Co-requisite(s): EEE L315*

EEE L315 Digital Electronics & Logics Circuits Lab (1)
This course is focused on hand-on experimentation, design, analysis and verification of digital circuits. The lab topics include but are not limited to gate logics, adders, multiplexer/de-multiplexer, and counters. Students will also learn to use various devices to build and to test digital circuits. Digital Circuits are also implemented using circuit simulation software. *Co-requisite(s): EEE 3315*

EEE 4420 Fundamentals of Embedded Systems (3)
This course is focused to provide the concepts related to introductions to microcontrollers and microcontroller architecture. Assembly language programming, C programming, integration of various I/O devices and an understanding of how microcontrollers used in the smart controlling devices are covered. To analyze the electronic circuits by both conventional methods and Computer-Aided Analysis/Design tools, concepts related to computer-aided circuit analysis techniques and simulations will be discussed. *Co-requisite(s): EEE L420*

EEE L420 Fundamentals of Embedded Systems Lab (1)
This course is focused on design, implementation, interfacing, coding and debugging of microcontroller-based systems and sensory devices. Students will also learn about timers, ADC, wave generations, RC measurement etc. The course has a project where students are expected to build and implement a microcontroller. *Co-requisite(s): EEE 4420*

EEE 4421 Intelligent Robotics and Automation (3)
The course is focused to provide the fundamental concepts and skills to design, program, maintain and test robotic systems. Introduction to 3D-solid modeling robotic simulation software and 3D printing are

discussed, which allows students to develop both programming and designing skills through a variety of models. It also includes the operation of controlling simple motors. Also, this course provides a clear overview of what Robotic Process Automation (RPA) is, how it works and when to apply it, and at the same time give hands-on technology experience. *Prerequisite(s): EEE 4420, EEE L420. Co-requisite(s): EEE L421*

EEE L421 Intelligent Robotics and Automation Lab (1)
This course is focused on design, implementation, coding, debugging and controlling of robotic systems and sensory devices. The course also has a project where students are expected to build a robot using the 3D printers that automates a simple process. *Co-requisite(s): EEE 4421*

EEE 4444 Fundamentals of Optics (3)
This course is an introduction to the basics of electromagnetic waves. It also introduces the fundamental concepts and principles of optics, optical waveguides and devices. Next, the course talks about the introductions to optoelectronics. Gaussian beam propagation, interaction of light and matter, spontaneous and stimulated emission, laser rate equations. *Prerequisite(s): EEE 3312. Co-requisite(s): EEE L444*

EEE L444 Fundamentals of Optics Lab (1)
This course acquaints the theory and concepts learned in EEE 4444 Fundamentals of Optics through the hands-on computer aided design and simulation experiments. *Co-requisite(s): EEE 4444*

EEE 4445 Optoelectronics (3)
This course is the second in a two-part sequence on optoelectronics, a continuation of Optoelectronics I. This course provides the advance concepts in semiconductor optics and optoelectronics devices. Topics include the introduction to the light emitting devices, detectors, and modulators. Course also introduces the basic optical, electro-optical and nonlinear properties of semiconductors, semiconductor lasers, optical detectors, amplifiers, modulators and switches. Most importantly, this course helps students to meet the demand of growing semiconductor optics and optoelectronics devices. *Prerequisite(s): EEE 4444. Co-requisite(s): EEE L445*

EEE L445 Optoelectronics Lab (1)
This course acquaints the theory and concepts through the hands-on computer aided design and simulation experiments. *Co-requisite(s): EEE 4445*

EEE 4450 Telecommunication Electronics (3)
This undergraduate course introduces the fundamental principles of telecommunication electronics, with a focus on analog and digital communication systems. Topics include signal transmission and reception, modulation techniques (AM, FM, PM, and digital modulation), RF circuits, antennas, and noise in communication systems. The course also explores modern communication technologies such as wireless networks, fiber optics, and satellite systems. Emphasis is placed on understanding key components and circuits used in telecommunication systems and their role in real-world applications. *Co-requisite(s): EEE L450*

EEE L450 Telecommunication Electronics Lab (1)
This laboratory course provides hands-on experience in designing, testing, and analyzing telecommunication circuits and systems. Students will work with AM/FM modulation and demodulations, signal mixing, oscillators, transmission lines, and antennas. Practical experiments involve measuring frequency response, evaluating signal quality, and troubleshooting communication circuits using oscilloscopes, spectrum analyzers, and signal generators. The course reinforces theoretical concepts through practical applications in RF and wireless communication. *Co-requisite(s): EEE 4450*

EEE 4480 Capstone Project I (3)
This is the first of a two-semester sequence of Capstone courses for all Electronics Engineering Technology majors. It provides students with unique opportunity to put together the knowledge and skills developed in his/her curriculum in the design and implementation of a project that culminates in a working solution. The project may be multidisciplinary or oriented toward a single engineering technology discipline. The student is expected to develop a working prototype, required to work on final project report and a formal oral presentation. The project may involve a team of students from more than one discipline, or a student may choose to work alone on a project. The project must be approved by a department faculty. The course also covers principles of project management. *Prerequisite(s): Permission of Instructor.*

EEE 4481 Capstone Project II (3)
This is the second of a two-semester sequence of Capstone courses for all Electronics Engineering Technology majors. The course permits students to complete the project which was initiated in EEE 4480 Capstone Project I. *Prerequisite(s): Permission of Instructor.*

ELECTRONIC ENGINEERING TECHNOLOGY

EET 2220 Electrical Circuits I (3)
This course primarily deals in providing a thorough understanding of the fundamental concepts of DC (Direct Current) circuits such as current, voltage, resistance, Ohm's Law, Power and Energy, series and parallel circuits, methods of circuit analysis and network theorems. Basics in magnetism and electromagnetism is also covered. Also, a circuit simulation tool is introduced and used to build and test DC circuits. *Co-requisite(s): EET L220*

EET L220 Electrical Circuits I Lab (1)
This course acquaints the concepts of the topics related to DC circuits learned in lecture through hands-on experiments and simulations. *Co-requisite(s): EET 2220*

EET 2221 **Electrical Circuits II (3)**
This course is a continuation of EET 2220. This course primarily deals with introduction to AC (Alternating Current), the laws and concepts which describe the behavior of AC circuits. Topics related to the introduction to capacitors, inductors followed by their behavior in RL, RC and RLC circuits is analyzed using circuit theories. Transformer theory is also introduced and covered, A circuit simulation tool is used to build and test AC circuits and to demonstrate the use of an oscilloscope. *Prerequisite(s): EET 2220. Co-requisite(s): EET L221 and MTH 1112 or higher math course*

EET L221 **Electrical Circuits II Lab (1)**
This course acquaints the theoretical models and concepts of the topics learned in lecture through hands-on experiments and simulations. *Co-requisite(s): EET 2221*

EET 3311 **Electronic Devices I (3)**
This foundational course familiarizes the theory and concepts of modern solid-state devices by introducing the fundamental concepts of P-N junction diodes, Bipolar Junction Transistors (BJT), and Field-Effect Transistors (FET). Also, diode and transistor related circuits along with the biasing AC models are covered. Emphasis is placed on their characteristics and applications, such as rectifiers and amplifiers. Circuit simulation software is used to design and analyze basic diode and transistor circuity. *Prerequisite(s): EET 2221, EET L221. Co-requisite(s): EET L311 and MTH 1114 or higher math course*

EET L311 **Electronics Devices I Lab (1)**
This course acquaints the theory and concepts of diode, transistors and FET transistor topics learned in lecture through hands-on experiments and simulation. *Co-requisite(s): EET 3311*

EET 3312 **Electronic Devices II (3)**
This course is the second in a two-part sequence on electronic devices, a continuation of EET 3311. Building on the principles of diode and transistor operations, this course covers the topics including power amplifiers, emitter followers, differential amplifiers, operational amplifiers and other special purpose devices. Working and operation characteristics of JFETs and MOSFETs are also introduced. Frequency response, system applications and troubleshooting are also emphasized. *Prerequisite(s): EET 331. Co-requisite(s): EET L312 and MTH 1125 or higher math course*

EET L312 **Electronic Devices II Lab (1)**
This course acquaints the theory and concepts of the topics learned in lecture through hands-on experiments and simulations. *Co-requisite(s): EET 3312*

EET 3315 **Digital Logic Circuits (3)**
This is an introductory course to the fundamentals of digital electronics. Topics covered include number systems, codes, logic gates, Boolean Algebra, combinational logic systems design, flip-flops, counters and registers. Advanced concepts in combinational circuits, decomposition of switching functions, modular realization of switching circuits, sequential functions and circuits, and memory elements are also covered. *Prerequisite(s): EET 3311 Co-requisites: EET L315 and MTH 1126 or higher math course*

EET L315 **Digital Logic Circuits Lab (1)**
This course is focused on hands-on experimentation, design, analysis and verification of digital circuits. The lab topics include but are not limited to gate logics, adders, multiplexer/de-multiplexer, and counters. Students will also learn to use various devices to build and to test digital circuits. Digital circuits are also implemented using circuit simulation software. *Co-requisites: EET 3315.*

EET 3320 **Measurement and Instrumentation (3)**
Topics covered include fundamental of units systems, precision and accuracy, errors in measurement and types of errors, electromechanical instruments, DC ammeters and voltmeters, AC ammeters and voltmeters, electrodynamometers in power measurements, bridge DC measurements, bridge AC measurements, transducers concepts and types, oscilloscope principles and applications in measurements. *Prerequisite(s): EET 2215, EET L215*

EET 4410 **Signal Processing (3)**
Topics covered include fundamental of units systems, precision and accuracy, errors in measurement and types of errors, electromechanical instruments, DC ammeters and voltmeters, AC ammeters and voltmeters, electrodynamometers in power measurements, bridge DC measurements, bridge AC measurements, transducers concepts and types, oscilloscope principles and applications in measurements. *Prerequisite(s): PHY 3320*

EET 4420 **Fundamentals of Microcontrollers (3)**
This course is the first course in a two-part sequence. Topics covered include but are not limited to microcontroller architecture, instruction sets, programming and interfacing with electronic circuits, interrupts, microcontroller peripherals, microcontroller application development tools and platforms. *Prerequisite(s): EET 3315, EET L315 Co-requisites: EET L420*

EET L420 **Fundamentals of Microcontrollers Lab (1)**
This course is focused on design, implementation and debugging of microcontroller based systems. Students will also learn about timers, ADC, wave generations, RC measurement etc. The course also has a project where students are expected to build and implement a microcontroller. *Co-requisite(s): EET 4420*

EET 4421 **Introduction to Robotics and Automation (3)**
This course is the second course in a two-part sequence. This course primarily deals in providing a thorough introduction to robotics and its applications in task automation. Students will get a chance to gain knowledge related to development of robots, different working models of robots, selection of appropriate sensors to a specific application, and programming a certain robot to perform the desired task. Projects may include construction and programming of mobile robots, assembly and test of individual

components. *Prerequisite(s): EET 3315, EET L315, EET 4420 and EET L420. Co-requisite(s): EET L421*

EET L421 Introduction to Robots and Automation Lab (1)
This course acquaints the theory and concepts learned in lecture through the hands-on construction of sensor circuity and building robots. Students will learn to use DC motors and the motor controllers, sensors, transistors and diode circuity etc. Also, students get a chance to integrate the sensor and mothers to the microprocessors. *Co-requisite(s): EET 4421*

EET 4425 Data Communication and Networking (3)
Topics covered include but are not limited to microcontroller architecture, instruction sets, programming and interfacing with electronic circuits, interrupts, microcontroller peripherals, microcontroller application development tools and platforms. *Prerequisite(s): EET 3315, EET L315*

EET 4435 LSI/VLSI Design (3)
MOS Transistors - fabrication and characteristics. MOSFET scaling and short-channel effects. Layer representation and layout rules. Analysis and design of inverters and inverter based circuits. Circuit and interconnection delays, driving large loads. Dynamic logic circuits. Memories, VLSI design strategies - Full custom, Standard Cell and Gate Array design, FPGAs, Subsystem design. Testing and testability. CAD for VLSI. *Prerequisite(s): EET 3315*

EET 4440 Electronic Testing with Lab (4)
Topics include, identifying and reading electronic circuit diagrams, using electronic test equipment to analyze circuits, applying a systematic approach to fault finding, and location a range of faults to component level. *Prerequisite(s): EET 2215, EET 3315*

EET 4444 Optical Electronics I (3)
This course is an introduction to the basics of electromagnetic waves. It also introduces to the fundamental concepts and principles of optics, optical waveguides and devices. Next, the coarse talks about the introduction to optoelectronics, Gaussian beam propagation, interaction of light and matter, spontaneous and stimulated emission, laser rate equations. *Prerequisite(s): EET 3312. Co-requisite(s): EET L444*

EET L444 Optical Electronics I CAD Lab (1)
This course acquaints the theory and concepts learned in lecture through the hands-on computer aided design and simulation experiments. *Co-requisites: EET 4444*

EET 4445 Optical Electronics II (3)
This course is the second in a two-part sequence on optoelectronics, a continuation of optoelectronics I. This course provides the advance concepts in semiconductor optics and optoelectronics devices. Topics include the introduction to the light emitting devices, detectors, and modulators. Course also introduces the basic optical, electro-optical and nonlinear properties of semiconductors, semiconductor lasers, optical detectors, amplifiers, modulators and switches. Most importantly, this course helps students to meet the demand of growing semiconductor optoelectronic industry and prepares them to advanced study and research in the semiconductor optics and optoelectronic devices. *Prerequisite(s): EET 4444. Co-requisite(s): EET L445*

EET L445 Optical Electronics II CAD Lab (1)
This course acquaints the theory and concepts learned in EET 4445 through the hands-on computer aided design and simulation experiments. *Co-requisite(s): EET 4445*

EET 4480 Senior Project I Capstone (3)
This is the first of a two-semester sequence of Capstone course for all EET majors. It provides students with unique opportunity to put together the knowledge and skills developed in his/her curriculum in the design and implementation of a project that culminates in a working solution. The project may be multidisciplinary or oriented toward a single engineering technology discipline. The student is expected to develop a working prototype, required to work on final project report and a formal oral presentation. The project may involve a team of students from more than one discipline, or a student may choose to work alone on a project. The project must be approved by a department faculty. *Prerequisite(s): Permission of Instructor*

EET 4481 Senior Project II Capstone (3)
This is the second of a two-semester sequence of Capstone courses for all EET majors. The course permits students to complete the project which was initiated in EET 4480. *Prerequisite(s): Permission of Instructor*

EET 4490 Travel Study in Electronics Engineering Technology (1) ***Contact Hours: 3***
Supervised investigation of relevant topics in Electronics Engineering Technology through travel study abroad or within the interior of the United States.

EET 4497 Independent Study in EET (1-4)
Independent study for students under the direction of a faculty member. *Prerequisite(s): Permission of department chair*

EET 4498 Internship in Electronics Engineering Technology (1-3)
Supervised work experience in the biotechnology industry, governmental agency, business, or other working environment in which a student will learn and apply pertinent professional skills.

ELEMENTARY EDUCATION

ELE L360 Teaching Social Science Lab (1)
This course includes Lab/Field-oriented experiences designed to enhance understanding of varied dimensions of instruction in social sciences. *Prerequisite(s): Admission to TEP*

ELE L361 Teaching Natural Science Lab (1)
This course includes Lab/Field-oriented experiences designed to enhance understanding of varied

dimensions of instruction in natural science. *Prerequisite(s): Admission to TEP*

ELE L362 **Teaching Mathematics Lab (1)**
This course includes Lab/Field-oriented experiences designed to enhance understanding of varied dimensions of instruction in mathematics. *Prerequisite(s): Admission to TEP, completion of MTH 2251 and MTH 2252 with a grade of C or better*

ELE 3360 **Teaching Social Science (3)**
This course provides a study of the varied dimensions of instruction in social sciences. Emphasis is placed on appropriate instruction and resources, including technology for the instruction of students in grades K-6. *Prerequisite(s): Admission to TEP*

ELE 3361 **Teaching Natural Science (3)**
This course provides a study of the varied dimensions of instruction in natural sciences including young children's logico-mathematical and physical knowledge. Emphasis is placed on appropriate instruction and resources, including technology for the instruction of students in grades PK-6. *Prerequisite(s): Admission to TEP*

ELE 3362 **Teaching Mathematics (3)**
This course provides a study of the varied dimensions of instruction in mathematics including young children's logico-mathematical knowledge. Emphasis is placed on appropriate instruction and resources, including technology for the instruction of students in grades PK-6. *Prerequisite(s): Admission to TEP, completion of MTH 2251 or MTH 2252 with a grade of C or better*

ELE 4454 **Internship Seminar for Elementary Education (3)**
This course provides seniors an opportunity during internship to examine broad educational issues and concerns, topics on the state and local levels and those of personal interest. The scope of the course ranges from juvenile law, classroom management professionalism, professional development for teachers and other course topics. *Prerequisite(s): Admission to TEP. Co-requisite(s): ELE Internship*

ELE 4474 **Internship in Elementary Education (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite(s): Admission to TEP. Co-requisite(s): ELE 4454*

ELE 4481 **Methods and Materials for the Elementary Teacher (3)**
Teaching methods, selection, organization and use of materials and resources in the elementary school discipline(s). Observation and teaching experiences will be included. *Prerequisite(s): EDU 3310 and admission to TEP*

ELE 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. Guided independent research may be taken only in the applicant's major or minor field.*

ELE 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. Guided independent research may be taken only in the applicant's major or minor field.*

ELE 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

ELE 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

ENGLISH

ENG 0096 Fundamentals of Grammar and Sentence Writing (3)
Developmental/remedial instruction in the basic elements of standard American English grammar, with an introduction to the essentials of effective written communication. Involves application of appropriate computer software. Students are placed in this course, ENG 1100 or ENG 1101, depending on placement exam score; see the local campus testing center for specific cut-off scores. Students may also be required to attend weekly sessions at a writing and/or computer center. *Note: Under no circumstance may this course be used to substitute for any general studies requirement; nor may it be used to meet minimum degree requirements. Grade of C or better and successful completion of exit exam required.*

ENG 1100 Preparatory English (3)
Developmental/remedial instruction in composition and mechanical skills needed to write clear, effective sentences and paragraphs. Involves application of appropriate computer software and a variety of written activities. Students are placed in this course, ENG 0096, or ENG 1101 depending on placement exam score; see the local campus testing center for specific cut-off scores. Students may also be required to attend weekly sessions at a writing and/or computer center. *Note: Under no circumstances may this course substitute for any general studies requirement; nor may it be used to meet minimum degree requirements. Grade of C or better required.*

ENG 1101 Composition and Modern English I (3)
Intensive instruction in the writing process. Focuses on organization of ideas in well-developed expository and argumentative essays (usually four essays), with stress on grammar, punctuation, and vocabulary development. *A grade of C or better is required for credit.* Must be completed within first 30 hours of enrollment. *Prerequisite(s): Placement Testing*

ENG 1102 Composition and Modern English II (3)
Text-based analyses and application of principles and tools of research in writing short research papers. A grade of C or better is required for credit. Must be taken within first 30 hours of enrollment. Prerequisite(s): ENG 1101 or equivalent

ENG 1103 Composition and Modern English I for Global Scholars (3)
Introductory study and practice of composition for the global scholar. It is a writing-centered course that emphasizes careful reading, analytical thinking, and persuasive strategies inherent in writing within the academic community. There will be intensive instruction in the writing process and rhetorical modes on global and multicultural issues. Focuses on the organization of ideas in well-developed expository and argumentative essays (usually six to eight essays), with stress on grammar, punctuation, and vocabulary development. A grade of C or better is required for credit. Must be completed within the first 30 hours of enrollment. *Prerequisite(s): Placement testing and admission into the Global Scholar program at Troy University or recommendation by an advisor.*

ENG 1104 Composition and Modern English II for Global Scholars (3)
This is a continuation of the study and practice of composition for the global scholar. It is a text-based analysis and application of research principles and tools in writing short research papers on issues of global and multicultural concerns. A grade of C or beater is required for credit. It must be taken within the first 30 hours of enrollment. *Prerequisite(s): Minimum grade of C in ENG 1103 or recommendation by the advisor*.

ENG 2205 World Literature before 1660 (3)
Introduction to attitudes, philosophies, and reflections of life in world literary masterpieces from the ancient world, Middle Ages, and Renaissance. Requires demonstration of acceptable writing skills. *Prerequisite(s): ENG 1102 or equivalent*

ENG 2206 World Literature after 1660 (3)
Introduction to attitudes, philosophies, and reflections of life in world literary masterpieces from the Enlightenment to the present. Requires demonstration of acceptable writing skills. *Prerequisite(s): ENG 1102 or equivalent*

ENG 2207 Honors World Literature before 1660 (3)
A course for the superior student, focusing on representative selections of the world's dramatic masterpieces in prose and poetry. *Prerequisite(s): ENG 1104 or permission of department chair*

ENG 2208 Honors World Literature after 1660 (3)
A course for the superior student, focusing on representative selections of the fictional masterpieces in Western literature. *Prerequisite(s): ENG 1104 or permission of department chair*

ENG 2211 American Literature before 1875 (3)
Study of works of selected writers in various American traditions and styles from colonial times to 1875. *Prerequisite(s): ENG 1102 or equivalent*

ENG 2212 American Literature after 1875 (3)
Study of works of selected writers in various American traditions and styles from 1875 to the present. *Prerequisite(s): ENG 1102 or equivalent*

ENG 2244 British Literature before 1785 (3)
A survey of British literature from its beginning to 1785. *Prerequisite(s): ENG 1102 or equivalent*

ENG 2245 British Literature after 1785 (3)
A survey of British literature from 1785 to the present. *Prerequisite(s): ENG 1102 or equivalent*

ENG 2260 Introduction to Technical and Professional Writing (3)
Technical communications for business and professional work. Emphasis on writing for specific purposes to particular audiences in an organizational setting. Preparation of documents such as technical description of a mechanism or process, instructions, recommendations, reports, and resumes. *Note:*

Course is a prerequisite for all required 3300and 4400-level courses in the Professional Writing Emphasis. Students may take elective courses concurrently with this course.

ENG 3301 Women's Literature (3)
Representative works of literature by women. *Prerequisite(s): Six semester hours of 2000-level English courses*

ENG 3305 Folklore/Mythology (3)
A multicultural survey of the forms and varieties of the mythology and folklore of major western cultures, emphasizing stories of Scandinavian, German, British, and American origin, and the application of these forms in modern cultures and literature. This course is recommended for English teachers seeking middle school certification. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 3310 Fiction and Film (3)
Representation of fiction on film, with attention to visual techniques and the translation and representation of major literary themes. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 3315 Modern Drama (3)
Study of plays written between 1900 and the present. List of plays may vary with each offering. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 3320 Introduction to Linguistics (3)
Overview to linguistics, the scientific study of language. The course will acquaint students with the grammatical, social, biological, and technological applications of language. *Prerequisite(s): ENG 1101, ENG 1102. Co-requisite(s): Six semester hours of 2000-level English courses or permission of the instructor.*

ENG 3326 Science Fiction (3)
An exploration of the literary, social, and generic importance of science fiction. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 3330 Introduction to Digital Humanities: A Literary Perspective (3)
This course offers students a basic introduction to the concepts, tools, and techniques of Digital Humanities (DH) geared toward applications in writing, literary and cultural studies. The course borders on the intersectionality of literature, in particular, and the humanities in general, with innovations in technology.

ENG 3333 Health, Medicine and the Humanities: The Intersectionality of Health Literature (3)
This course focuses on a study of texts and films by, for, and about health care providers, medical practitioners and patients from various global cultures in order to investigate the intersectionality of the humanities, medicine and health as a whole. We will explore how literature and motion pictures interact with communicable, non-communicable diseases, mental illnesses and other public health concerns paying particular attention to how language is used by both healthcare providers and recipients across cultures. The goal is to sow that even though medicine and healthcare are within the sciences, at their very nucleus is the humanities.

ENG 3341 Advanced Grammar I (3)
Detailed study of the structural system of English grammar. *Prerequisite(s): Six semester hours of 2000-level English courses*

ENG 3345 Technical and Professional Editing (3)
Principles and practices of editing technical and scientific documents. Overview of the editing process; defining the editor's rules and responsibilities, revising at structural and sentence levels, and addressing stylistic conventions of technical fields. Includes technical and scientific documents such as reports, proposals, and user manuals. *Prerequisite(s): ENG 2260 or permission of instructor*

ENG 3351 Introduction to Creative Writing I (3)
Practice in writing poetry, short stories, and/or plays, along with a concentrated study of the techniques and principles of creative writing in each genre. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 3352 Advanced Creative Writing I (3)
Continued practice in writing poetry, short stories, and/or plays, along with a more advanced study of the techniques and principles of creative writing in each genre. *Prerequisite(s): Six semester hours of 2000-level English courses; ENG 3351 or permission of instructor.*

ENG 3353 Advanced Creative Writing II (3)
Practice in writing poetry, short fiction, or plays for class and instructor evaluation. *Prerequisite(s): Six semester hours of 2000-level English courses; ENG 3351 or permission of instructor.*

ENG 3354 Advanced Nonfiction Writing (3)
The literature of fact. Emphasis on student writing and analysis of nonfiction forms, such as personal narrative, autobiography, lyric in prose, and New Journalism. *Prerequisite(s): Six semester hours of 2000-level English courses; ENG 3351 or permission of instructor.*

ENG 3355 Verse Writing (3)
Development of techniques in the practice of poetry, including expression through metrical patterns, rhyme, rhythm, imagery, metaphor, and symbolism. *Prerequisite(s): Six semester hours of 2000-level English courses; ENG 3351 or permission of instructor.*

ENG 3356 Form and Theory of Fiction (3)
Primarily a reading course for writers. Examination of the classic texts of literary theory; analysis of the use and purpose of the elements of fiction; and discussion of fiction form, from the short-short to hyper-text. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 3357 **Form and Theory of Nonfiction Literature (3)**
Examination of the theories behind various forms of nonfiction literature, whether autobiography, biography, the essay, diaries, and/or travel writing, with special emphasis on the historical evolution of a particular form. List of readings will vary with each course offering. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 3362 **The Arthurian Legend through the Ages (3)**
Examination of Arthur not only in literary and historical works from its earliest traces in the Middle Ages to the present, but also in archaeology, the visual and decorative arts (especially painting and sculpture), manuscript decoration, film, musical, and opera. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 3365 **Advanced Technical & Professional Writing (3)**
Study of technical communication as a dynamic process in organizational and social environments, including the manner in which organizational hierarchies, purposes, and stylistic conventions interact with the writing process. Professional literature and professional associations concerned with improving communications within students' disciplines. *Prerequisite(s): ENG 2260 or permission of instructor.*

ENG 3366 **Professional Document Design (3)**
Overview of the fundamental concepts and techniques of information design and production for both print and online documents, including the coordination of text, typography, and graphics; principles of audience analysis, usability, and readability; and an introduction to computer software for desktop publication and web design. *Prerequisite(s): ENG 2260 or permission of instructor.*

ENG 3371 **Literature for Adolescents (3)**
Principles of and practice in the selection of literature for upper-elementary and for junior and senior high school students, with attention given to multicultural literature. **Note**: No credit toward English major or minor. Credit applied only to middle school education certification program in English. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 3380 **Sociolinguistics: Language, Culture and Society (3)**
The study of the relations of language to culture and society, inclusive of regional, social, and stylistic variation, as well as gendered discourse. The course will introduce students to the socio- cultural factors in language varieties. *Prerequisite(s): Six semester hours of 2000-level English courses or permission of the instructor.*

ENG 3385 **Foundations of Second Language Acquisition (3)**
Learning theory, acquisition barriers, various methodologies, communicative approaches and competence, and applied linguistics, including the practical issues of L2 learning. *Prerequisite(s): Six semester hours of 2000-level English courses or permission of the instructor.*

ENG 4400 **Selected Topics in Literature and/or Professional Writing (3)**
Study of a topic of special interest and importance not covered in regularly offered courses in English. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4401 **Chaucer (3)**
Study of Chaucer's major poetry. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4402 **Studies in Medieval Literature (3)**
Study of non-Chaucerian British literature from the Middle Ages, including Beowulf, Piers Plowman, Sir Gawain and the Green Knight, mystery plays, Le Morte d'Arthur, and other works. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4403 **English Renaissance Literature (3)**
English prose and poetry of the 16th and 17th centuries with an emphasis on Sidney, Spenser, Donne, and Jonson. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4404 **Milton (3)**
Milton's poetry and major prose. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4405 **History of the English Language (3)**
Study of the development of English from the Anglo-Saxon period through the present, with reference to the Indo-European background of English. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4406 **Studies in British Literature Before 1660 (3)**
Selections from Medieval and/or Renaissance British literatures, including classical, historical, and cultural background. *Prerequisite(s): Six semester hours of 2000-level English course.*

ENG 4407 **Fantasy Literature (3)**
This course will introduce the student to a wide range of Fantasy literature from the Middle Ages to Modern times. This course will discuss allegory and other subgenres that use fantastic elements that alter reality as we know it in order to concentrate on a very real problem in the human condition, especially when no better way exists for an author to make the point. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4410 **Studies in Eighteenth-Century British Literature (3)**
Selections from Restoration and 18th-century British literature and its historical and cultural background. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4413 **Studies in Nineteenth-Century British Literature (3)**
Study of Romantic and/or Victorian literatures. *Prerequisite(s): Six semester hours of 2000 level English courses.*

ENG 4414 **British Novel Before 1900 (3)**
Representative novels by British writers of the 18th and 19th centuries. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4415 **American Renaissance (3)**
Selections from the major writers of the American literary renaissance, including such writers as Emerson, Thoreau, Hawthorne, Melville, Whitman, and Dickinson. *Prerequisite(s): Six semester hours of 2000-level English courses*.

ENG 4416 **Nineteenth-Century American Novel (3)**
Study of representative American novels of the 19th century. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4417 **Modern Short Story (3)**
Examination of 20th and 21st century short stories. List of stories may vary with each offering. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4418 **British Culture on Location (3)**
An intensive presentation of British culture on-site in London, Oxford, and other important British locations.

ENG 4419 **Advanced Writing (3)**
Provides students the opportunity to write, review, and evaluate texts relevant to the professions they plan to enter and to apply rhetorical analysis to specific writing situations. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4420 **Selected Topics in Creative Writing (3)**
Study of a topic of special interest and importance not covered in regularly offered courses in creative writing. **Note:** May be taken for credit no more than two times. *Prerequisite(s): Six semester hours of 2200-level English courses; ENG 3351 or permission of instructor.*

ENG 4421 **English Novel (3)**
Selected 18th and 19th century novels written in English. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4425 **Modern Novel (3)**
Study of representative novels written in English in the 20th and 21st centuries. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4426 **Modern Poetry (3)**
Study of 20th- and 21st-century poetry. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4427 **Contemporary American Literature (3)**
Examination of representative American literature from the postmodern period (1960-present), with special emphasis on the diversity of themes, styles, and cultural contexts. Course readings may vary with each offering. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4428 **The Age of Johnson (3)**
A study of the works of Samuel Johnson and of his most important contemporaries, from about 1745 to 1798. *Prerequisite(s): Six semester hours of 2000-level English courses*

ENG 4430 **Shakespeare I: The Tragedies (3)**
Study of major and minor tragedies, with some attention to non-dramatic poetry. List of plays may vary with each offering. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4431 **Shakespeare II: The Comedies (3)**
Study of comedies and romances. List of plays may vary with each offering. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4432 **Shakespeare III: The Histories (3)**
Study of history plays, especially those concerning Wars of the Roses. List of plays may vary with each offering. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4433 **Literary Criticism (3)**
Study of the major literary critics and their works from classical times to the present. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4434 **Romantic Period in English Literature (3)**
Romantic prose and poetry with emphasis on the writings of Blake, Coleridge, Wordsworth, Byron, Keats, and Shelley. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4435 **The Bible as Literature (3)**
A detailed study of the literary components, composition techniques, and inclusion factors ins elected works from the New and Old Testaments. *Prerequisite(s): Six semester hours of 2200-level ENG courses.*

ENG 4436 **The Post-Cyberpunk, Post Colonial Science Fiction Novel (3)**
This course will examine works published after the age of "high cyberpunk," roughly post-1988, to examine how ideas about what it means to be a nation-state, a citizen, and a human and how such stable identifiers may undergo radical change in response to ecological and/or technological pressures in strange futures, alternative presents, and pasts that might have been to look at the post-colonial, post-cyberpunk novel. *Prerequisite(s): Six semester hours of 2000-level courses.*

ENG 4440 **Literature and Gender (3)**
This course introduces students to the fluidity and constructed nature of gender in various genres of literature, both contemporary and classic. Students will read, discuss, and write critical about gender-related topics with a global perspective. *Prerequisite(s): Six credit hours of 2000-level English courses.*

ENG 4443 **Southern Literature (3)**
Study of works by writers from the American South from colonial times to the present. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4445 Global Anglophone Literature (3)
Introduces students to a variety of literary masterpieces that explore global writings in English by authors who are not from Europe and North America. This course will explore issues concerning the nativization of English, exile and migration, and the postcolonial concept of the "empire writing back" to its center. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4452 Medieval and Renaissance English Drama (3)
Survey of drama from the middle ages and Renaissance, excluding Shakespeare. Begins with brief study of folk and liturgical origins of drama, includes a few medieval mystery and morality plays, and features Renaissance plays by Heywood, Udall, Kyd, Marlowe, Beaumont, Fletcher, Jonson, and Webster. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4453 English Drama through the 18th Century (3)
English drama (excluding Shakespeare) from the 9th through the 18th century. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4455 Multicultural Literature (3)
A thematic study of minority American writers of various diasporic backgrounds. Works will include fiction and non-fiction by first/second generation immigrants in the United States including those of Native American People, in view of showing how they have contributed to the contemporary multicultural American landscape. *Prerequisite(s): Six semester hours of 2200-level ENG courses.*

ENG 4460 Victorian Poetry (3)
A study of Victorian poetry, with emphasis upon the works of Tennyson, Browning, Arnold, and Hardy. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4461 Victorian Prose (3)
A survey of the works of major Victorian prose writers, with emphasis upon the works of Carlyle, Newman, Mill, Ruskin, Arnold, and Pater. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4465 African American Literature (3)
Study of the major African American writers from the beginning of American history to the present. *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4466 Advanced Grammar II (3)
Advanced Grammar II: Descriptive constituent analysis of syntax in the context of generative grammar its relation to syntactic structures and to sentential meaning (semantics), including error/contrastive analysis, and to pragmatics and discourse analysis. *Prerequisite(s): ENG 3341*

ENG 4468 Methods and Approaches in Second Language Teaching (3)
This course traces the evolution of language teaching from the methods era (e.g., grammar translation method, audio lingual method) to post-methods approaches (e.g., task-based learning, content-based learning, communicative approaches). Students will develop a repertoire of teaching approaches, and identify appropriate options for different language teaching scenarios. *Prerequisite(s): Six semester hours of 2000-level English courses or permission of the instructor.*

ENG 4470 Practicum and Assessments (3)
Overview of assessments and application of skills, concepts and principles in supervised experiences related to teaching ESL students. The Practicum is required for the TESOL Certificate. *Prerequisite(s): ENG 4468*

ENG 4474 Internship in English/Language Arts Education (9)
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite(s): Admission to TEP. Co-requisite(s): SED 4454*

ENG 4478 Theory and Practice of Composition: Writing and Learning Across the Curriculum (3)
A study of the methodology of teaching English composition and practice in advanced writing *Prerequisite(s): Six semester hours of 2000-level English courses.*

ENG 4480 Literary Theory (3)
This course examines the major schools of literary theory developed in the 20th century and beyond. Lectures and discussions explore theoretical perspectives on the recurrent questions: what is literature, how is it produced, how can it be understood, and what is its purpose? Readings in the course provide definitions and delineations grounded on linguistic, psychoanalytic, socio-economic, and historic utterances that distinguish literature from other epistemological and ontological texts. *Prerequisite(s): six semester hours of 2000-level courses.*

ENG 4481 Methods and Materials for the Secondary Teacher (3)
A survey of teaching methods and materials appropriate for teaching in the content areas for grades 6-12. Topics addressed will include teacher evaluation in the public schools, collaboration with special education teacher evaluation in the public schools, collaboration with special education teachers, and lesson planning formats. In addition, teaching methods, selections organization and use of English language arts materials for grades 6-12 will be covered in detail. A professional laboratory experience is included in this course. *Prerequisite(s): Admission to TEP.*

ENG 4488 Seminar in Professional Writing Portfolio Development (3)
Senior seminar. and development of a professional portfolio containing carefully selected materials that demonstrate seniors' mastery of specific writing capabilities and skills. *Prerequisite(s): Senior class standing, ENG 2260, and completion of at least three required courses and three electives in the major, or permission of instructor.*

ENG 4489 Internship (3)
Practical experience involving writing and editing skills while working under the supervision of the Alabama Literary Review staff. *Prerequisite(s): ENG 3352, ENG 3353 or permission of instructor.*

ENG 4490 Professional Writing Internship (1-3)
Writing Practicum/Internship at a local industry, publisher, arts or public agency. Provides workplace experiences in solving problems in writing, including those of career preparation and development. *Prerequisite(s): ENG 2260, and completion of at least three required courses and three electives in the major, or permission of instructor.*

ENG 4491 Guided Independent Research and Study (3)
Thorough examination of material on a selected subject, requiring a documented research paper. Also see "Independent Study and Research" under Academic Regulations for additional information. *Note: This course may be repeated for 1 to 3 credits hours per course per semester. Students who need regimentation of regular classroom to do good academic work should not attempt these courses.* Prerequisite(s): Six semester hours of 2000-level English courses. Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.

ENG 4492 Guided Independent Research and Study (3)
Thorough examination of material on a selected subject, requiring a documented research paper. Also see "Independent Study and Research" under Academic Regulations for additional information. *Note: This course may be repeated for 1 to 3 credits hours per course per semester. Students who need regimentation of regular classroom to do good academic work should not attempt these courses.* Prerequisite(s): Six semester hours of 2000-level English courses. Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.

ENG 4493 Guided Independent Research and Study (3)
Thorough examination of material on a selected subject, requiring a documented research paper. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. Students who need regimentation of regular classroom to do good academic work should not attempt these courses. *Prerequisite(s): Six semester hours of 2000-level English courses. Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

ENG 4494 Guided Independent Research and Study (3)
Thorough examination of material on a selected subject, requiring a documented research paper. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. Students who need regimentation of regular classroom to do good academic work should not attempt these courses. *Prerequisite(s): Six semester hours of 2000-level English courses. Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

ENG 4495 Senior Seminar in English (3)
A senior-level course capstone designed to engage the student with the central questions of literary studies and to develop the student's skills in critical thinking and writing and in research. Must make a grade of C or better. *Prerequisite(s): Senior status.*

ENG 4498 Honors Research and Writing (1)
The above courses are designed for outstanding students majoring in English. Taken collectively, they constitute the English upper-level honors program in which students may specialize in a selected area of literary study. Upon successful completion of all course work and other requirements, the student will be recognized as a graduate with English honors. *Note: 1 credit hour per course per semester* Prerequisite(s): Junior or senior level, grade point average no less than 3.2 in English studies and completion of the English honors application procedure. Consult the department chair for additional information.

ENG 4499 Honors Research and Writing (1)
The above courses are designed for outstanding students majoring in English. Taken collectively, they constitute the English upper-level honors program in which students may specialize in a selected area of literary study. Upon successful completion of all course work and other requirements, the student will be recognized as a graduate with English honors. **Note:** 1 credit hour per course per semester. *Prerequisite(s): Junior or senior level, grade point average no less than 3.2 in English studies and completion of the English honors application procedure. Consult the department chair for additional information.*

ENTREPRENEURSHIP

ENT 2200 Innovation and Creative Thinking (3)
What does it mean to be an innovative thinker? Is there a difference between being creative and thinking creatively? Innovation and Creative Thinking will provide students with the opportunity to discover their ability to think creatively through

brainstorming, conceptual development, and play discovery.

ENT 2210 Entrepreneurial Leadership (3)
Innovation by Design will showcase innovative companies, ideas, people, and models around the world. Students will learn about the process, challenges and failures that innovators have endured. Students will learn to identify needs, trends, and industry innovations that have created paradigm shifts and cultural revolutions. Most importantly, this course will attempt to have each student understand and believe in the necessity of innovation. This course is designed to inspire, and support innovate thinking to the aspiring entrepreneur.

ENT 3300 Product Development and Mentorship (3)
Product Development and Mentorship will investigate the resources needed to employ the innovative idea. These resources may be identified as, but not limited to, resourcing related to labor, materials and inventory, outsourcing, prototyping and brand identification. Students will conduct test market focus groups related to design, implementation, and brand awareness. *Prerequisite(s): ENT 2210*

ENT 3325 Principles of Entrepreneurship (3)
Entrepreneurial Mindset showcases innovative companies, ideas, people, and business models. Students will learn about entrepreneurial concepts, transformational innovation, creativity, and financial feasibility perspectives, and how entrepreneurial opportunities can become a reality. This course is designed to inspire and support innovative thinking in the aspiring entrepreneur.

ENT 3330 Micro-entrepreneurship and the Gig-Economy (3)
Jobs paid on a per-gig basis exemplify entrepreneurship through flexible, nontraditional work arrangements. How entrepreneurs redefine work with the Gig Economy through shared creation, production, and distribution of products or services will be examined. Direct selling as a microentrepreneurial business-building platform will be explored. *Prerequisite(s): ENT 3325*

ENT 4400 Business Plan Development (3)
Business Plan Development will assist students in developing a comprehensive plan that contains a business summary, profile, market analysis, organization and management, service/product, equipment, marketing and promotion, financial projections, and funding needs. Students completing this course will earn NxLevel Certification. *Prerequisite(s): ENT 2210*

ENT 4410 Entrepreneurial Influence (3)
Entrepreneurial success depends not only on innovative ideas but also on the ability to influence others-customers, investors, partners, and teams. This course delves into the principles of influence and persuasion that are critical to building and growing entrepreneurial ventures. Students will explore the psychological and strategic foundations of effective influence, learning how to persuade others ethically and effectively in the entrepreneurial context. *Prerequisite(s): ENT 3325, ECO 3360*

ENT 4480 Entrepreneurship Seminar (3)
Entrepreneurship Seminar is the capstone course in the Troy Bank & Trust Entrepreneurship Program. It integrates theory and practice from prior courses in the discipline while tying together the functional aspects of an entrepreneurial initiative. Topics focus on entrepreneurial innovation, opportunity, recognition, market research and feasibility, strategy formulation, and venture finance. *Prerequisite(s): ENT 3300 and completion of 6 semester hours in the required Entrepreneurial Concentration.*

ENT 4490 Special Topics in Entrepreneurship (3)
This course examines a selected entrepreneurial topic of interest that is not covered in other course offerings. The topic for the semester will be indicated in advance. Students may repeat the course for credit as long as the selected topics are different. Maximum credit of six hours. *Prerequisite(s): ENT 3325*

ENT 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may not be substituted for any required course. This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

ENT 4492 Guided Independent Research (1-3)
Additional information is indexed under Independent Study and Research. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may not be substituted for any required course. This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

ENT 4493 Guided Independent Study (1-3)
This course involves direct project work of mutual interest to a student and faculty member. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): ENT 3325; Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

ENT 4494 **Guided Independent Study (1-3)**
This course involves direct project work of mutual interest to a student and faculty member. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

ENT 4499 **Entrepreneur Internship (3)**
This course involves the practical application of entrepreneurship principles in an actual business setting. Students gain practical, professional experience in conjunction with academic development under the supervision of both a faculty member and an entrepreneur in the student's area of interest. *Prerequisite(s): ENT 3325 and completion of 6 semester hours in the required Entrepreneurial Concentration. For more information, see the index for English as a Second Language Program.*

ENGLISH AS A SECOND LANGUAGE

ESL 1100 **Preparatory English Nonnative Speakers of English (3 with petition)**
Instruction for nonnative speakers of English preparing for ENG 1101. Focus on application of rules of standard English grammar and U.S. composition patterns. Involves application of appropriate computer software and a variety of written activities. Students who do not pass the eWrite text are placed in this course. Students write five to seven in-class compositions and may be required to attend weekly session at the ESL Tutoring Center and ESL Computer Lab. Classes meet four days per week. *Note: This course will not substitute for any general studies requirement and will not be used in meeting minimum degree requirements.*

ESL 1102 **Listening/Speaking VI Advanced**
Academic focus: listening strategies for academic lectures, such as anticipating and organizing information; understanding connecting words and pronoun referents; recognizing analogy, quotations, and paraphrasing. Skill-building exercises include listening for main ideas, making inferences, listening for specific information, summarizing, and recognizing vocabulary in context. Speaking focuses on delivering oral presentations, engaging in academic discourse. Computer Lab requirement.

ESL 1104 **Reading VI Advanced**
Helps the students be ready for academic reading. Vocabulary building through brainstorming, vocabulary lists, and close exercises that help learners guess the meaning from context and see regularity in the language. Introduces students to the lifestyles, attitudes, customs, and traditions of Americans. Reading Lab requirement: one hour per week.

ESL 1106 **Grammar VI Advanced**
Review, expansion, and practice of auxiliaries and phrasal verbs, gerunds and infinitives, introduces adverbs and adverb clauses, noun clauses (subjects and objects), unreal conditionals and other ways to express unreality, and the subjunctive, inverted and implied conditionals. Includes in-depth analysis of sentence structure: sentence types, sentence fragments, parallelism of gerunds and infinitives, sentence and fragments, writing direct and indirect speech, and avoiding run-ons and comma splices. Independent CD-based exercises on topics covered in 1106 - two hours per week.

ESL 1108 **Writing VI Advanced**
Focus on essay construction. Emphasis is placed on coherence, unity, and writing well-developed and well-organized essays. Explores different rhetorical patterns (chronological order, logical division of ideas, cause-effect, comparison/contrast, etc.) as means to the end in fulfilling academic writing assignments. Study of different ways to organize and present ideas for different groups of readers. Emphasis on writing as a process, with frequent group work to generate ideas and practice peer editing. Writing Lab requirement: one hour per week.

ESL 1111 **Research Writing Skills**
This course is designed for advanced students who have successfully completed Level VI. The objective of the course is to build upon the skills learned in previous levels and better equip the students with college-level skills in writing and research. Students will engage in writing research- based papers to learn, understand, and use proper citations (APA or MLA) as well as write reflectively and paraphrase/summarize. Students will utilize on-campus library resources and gain knowledge pertaining to reliable and unreliable resources. Upon completion of this course, students will have the ability to write research papers and essays free of plagiarism on both the graduate and undergraduate level.

ESL 1112 **Oral Communication Skills**
This course is designed for advanced students who have successfully completed Level VI. The objective of the course is to intensify the listening and speaking skills learned in previous levels and better equip the students with both academic and professional speaking skills. In this course, students will listen to content-based academic lectures. Students will learn to take notes more effectively and to respond critically to those lectures through debates and discussions. Students will also learn how to conduct research, write presentation outlines, and give presentations more effectively. Upon completion of this course, students will have gained greater confidence in their ability to speak English in any situation presented to them and to succeed in their major fields in college.

ESL 1113 **Critical Analysis Skills**
This course is designed for advanced students who have successfully completed Level VI. The objective of the course is to intensify the skills learned in previous levels and better equip the student with college-level skills. Students will be reading content-

based materials featuring American History, American Literature, and Sociology. Students will learn more academic vocabulary and further develop critical thinking skills to effectively respond to those materials through paragraph writing, summarizing, paraphrasing, and classroom discussions. Upon completion of the course, students will have gained greater confidence in their ability to read, comprehend, and analyze college-level materials and to succeed in their major fields of study.

FINANCE

FIN 2210 **Personal Financial Planning (3)**
Introduction and comprehensive overview of personal financial planning. Topics include introduction to financial planning, managing assets, credit, insurance, investments, retirement and estate planning.

FIN 3331 **Managerial Finance (3)**
Analysis, planning and control of key financial decisions of the firm. *Prerequisite(s): Lower-level Core, ACT 2291, and MTH 1112*

FIN 3332 **Financial Management II (3)**
Second course in a sequence of corporate finance. Continuation of FIN 3331 with focus on topics in financial management not covered in FIN 3331. *Prerequisite(s): FIN 3331.*

FIN 3333 **Financial Mathematics (3)**
Analysis of time value of money as it applies to loans, securities, banks, annuities, and insurance. *Prerequisite(s): MTH 1112.*

FIN 3334 **Financial Statement Analysis (3)**
The process of understanding financial statements by financial analysts and credit analysts, and other uses of financial data. *Prerequisite(s): FIN 3331.*

FIN 3336 **Real Estate Finance I (3)**
Procedures and operations of real estate mortgage markets. *Prerequisite(s): FIN 3331.*

FIN 3338 **Intermediate Personal Financial Planning (3)**
Introduction and comprehensive overview of personal financial planning. Topics include introduction to financial planning, managing assets, credit, insurance, retirement, and estate planning. *Prerequisite(s): Lower business core.*

FIN 3360 **Entrepreneurial Finance (3)**
This course covers financial issues related to entrepreneurship. The focus is on how to apply financial tools and skills to entrepreneurial businesses. The topics covered in this course include financial management and planning, financial statement analysis, time value of money, capital budgeting, working capital management and sustainability. *Prerequisite(s): FIN 3331, MGT 4475.*

FIN 4419 **Derivatives (3)**
This course examines theory and usage of forward contracts, future contracts, index futures, Markov and Wiener processes, Black Scholes analysis, options, Indexed options, and hedging using naked and covered positions, and other nonstandard derivative securities. *Prerequisite(s): FIN 3331.*

FIN 4431 **Intermediate Financial Management (3)**
Analysis of financial management of a firm at the intermediate level, with emphasis on the corporation. Includes more advanced analysis of topics covered in FIN 3331 as well as other advanced topics. *Prerequisite(s): FIN 3331.*

FIN 4432 **Investments (3)**
Financial analysis of investments, including markets, institutions, and instruments with emphasis on security analysis, portfolio analysis, and financial planning. *Prerequisite(s): FIN 3331.*

FIN 4434 **Financial Modeling (3)**
This course provides an examination of standard financial models used in corporate finance, financial statement stimulation, portfolio problems, options, portfolio insurance, duration, and immunization. The primary focus of study is on the application of strategic models of decision making and marketplace activity within the stimulated environments which approximate real time. *Prerequisite(s): FIN 4432.*

FIN 4435 **International Finance (3)**
A comprehensive introduction and overview of international finance with emphasis upon multinational corporation management, international trade, foreign exchange, and international financial markets, institutions, and instruments. *Prerequisite(s): FIN 3331.*

FIN 4436 **Securities Analysis (3)**
Introduction and comprehensive overview of securities analysis. Topics include stocks, bonds. Mutual funds, taxes, annuities, new issues, IPOs, OTC, exchanges, options, margin trading, short selling, laws and regulations, and fundamental technical, and modern security and portfolio analysis techniques. Prerequisite(s): FIN 4432

FIN 4437 **Financial Institutions (3)**
A comprehensive study of financial markets, institutions, instruments, etc. *Prerequisite(s): FIN 3331and FIN 4431.*

FIN 4438 **Bank Management (Capstone) (3)**
Introduction and comprehensive overview of bank management. Topics include: organization, regulation, performance, asset management, liabilities management, credit policy, loan evaluation, global banking, bank mergers and acquisitions, etc. *Prerequisite(s): FIN 3331*

FIN 4440 **Real Estate Finance II (3)**
Second course in a sequence on real estate finance. Continuation of FIN 3336. *Prerequisite(s): FIN 3336*

FIN 4454 **Public Finance (3)**
This course examines and analyses public finance from the perspective of the financial management of governmental enterprises. It examines revenues and expenditures at all levels of government, the financial management of government enterprises, and

effects of public finance on business and finance and personal finance. *Prerequisite(s): FIN 3331.*

FIN 4460 **Financial Plan Development (3)**
The process of developing and presenting a comprehensive financial plan, including analysis of personal financial situations and effective communication of plan strategies. *Prerequisite(s): FIN 4431.*

FIN 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may not be substituted for any required course. This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

FIN 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may not be substituted for any required course. This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

FIN 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

FIN 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

FIN 4499 **Internship (3)**
The Finance Internship provides is a supervised work experience that provides students with the opportunity to gain applied work experience their field of study. Students with the opportunity to gain real-world experience in their field of study. Students are interviewed and selected by the individual companies offering the internship. This course may be repeatable and must comply with the SCOB internship policy. See the Economics/Finance division chair for details. *Note: For additional information, see Placement in Academic Courses.*

FOREIGN LANGUAGE

FLN 1101 **Selected World Languages I (3)**
Formal introduction to a specific world language. May be repeated for credit in another language.

FLN 1105 **Selected World Languages II (3)**
Formal introduction to a specific world language. *Prerequisite(s): FLN 1101 or permission of instructor.*

FORENSIC SCIENCE

FSC 2201 **Introduction to Forensic Science (3)**
This course provides students with an introduction to various fields of study and how they are used in a modern medicolegal context. A brief history of the development and professionalization of forensic sciences in the U.S. is also covered. Fields discussed include anthropology, biology, dentistry (odontology), entomology, pathology, psychology, and toxicology.

FSC 3301 **Ethics in Forensic Science (3)**
This course explores foundational ethical concepts as they relate to forensic sciences. The course uses applied case-study examples to analyze ethical and moral boundaries of practice *Prerequisite(s): FSC 2201.*

FSC 3302 **Forensic Science in Media (3)**
This course explores how forensic science and scientists are depicted in popular culture and journalism and how this influences the public's opinion of the field and its practitioners. *Prerequisite(s): FSC 2201*

FSC 3303 **Death Investigation (3)**
This course explores the fundamentals of death investigation as a profession and its role in the medicolegal system. *Prerequisite(s): FSC 2201.*

FSC 3304 **Forensic Evidence (3)**
This course discusses the theory and practice of evidence protection and collection including biological and medical evidence and controls to be collected, aspects of scenes to be photographed, forensic report writing, rules of evidence and legal considerations of expert witness testimony. *Prerequisite(s): FSC 2201.*

FSC 3305 **Criminalistics (3)**
This course is an in-depth examination of the role of forensic evidence technicians. *Prerequisite(s): FSC 2201.*

FRENCH

Note: For additional information, see Placement in Academic Courses.

FRN 1101 **Introductory French I (3)**
Introduction to the French language and culture.

FRN 1102 **Introductory French II (3)**
Introduction to the French language and culture. *Prerequisite(s): FRN 1101 or permission of instructor.*

FRN 2201 **Intermediate French I (3)**
Reinforcement of fundamental skills, study of sophisticated language structures and reading of simple French prose and poetry. *Prerequisite(s): FRN 1102 or permission of instructor.*

FRN 2202 **Intermediate French II (3)**
Reinforcement of grammatical skills, reading of simple French prose and poetry, composition and conversation. *Prerequisite(s): FRN 2201 or permission of instructor.*

FRN 3310 **French Culture on Location I (3-TBA)**
An in-depth presentation of French culture combining lectures, readings, films, audiotapes, discussions and intensive language practice on the Troy Campus with on-site visit to a Francophone environment. *Prerequisite(s): Permission of instructor.*

FRN 3311 **French Culture on Location II (3-TBA)**
An in-depth presentation of French culture combing lectures, readings, films, audiotapes, discussions and intensive language practice on the Troy Campus with on-site visit to a Francophone environment. *Prerequisite(s): Permission of instructor.*

FRN 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

FRN 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

FRN 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

FRN 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

GAME DESIGN AND DEVELOPMENT

GDD 2210 **History Through Games (3)**
This course will utilize a variety of different game formats, including video games, role-playing games, board games, and sports to explore historical concepts and events. Students will be encouraged to think analytically about the ways games interpret historical events versus textbook explanations.

GDD 3310 **History of Game Design (3)**
A focus on the history and development of different types of games and game mechanics. Emphasis placed on integrating games with their particular cultural and political context. Students will produce a working prototype of a game as a part of the class.

GDD 3320 **Game Development (3)**
An introduction to the concepts of game development, including theory, playtesting, marketing, crowdfunding, and the publication process. Students will refine and continue development of a game as a part of the class. *Prerequisite(s): Either HIS 2210/GDD 2210 History Through Games.*

GDD 4425 **Special Topics in Game Design and Development (3)**
Advanced study of a designed topic of special interest. *Prerequisite(s): Either HIS 2210/GDD 2210 History Through Games OR GDD 3310/HBA 3310 Game Design History AND permission of the instructor.*

GDD 4490 Internship in Game Design and Development (3)
Supervised work in an agency that can provide practical experience in the field of study. *Prerequisite(s): Senior standing, at least a 2.5 GPA, at least 12 completed hours towards the Game Design and Development minor, and the permission of the minor advisor, supervising instructor, department chair, and/or dean.*

GDD 4499 Game Design Capstone (3)
This course requires the student to synthesize previous coursework in the minor. Students complete design and development of a working game, suitable for crowdsourcing, and public release. *Prerequisite(s): 15 hours of Game Design and Development minor coursework, including GDD 3320 Game Development.*

SURVEYING AND GEOMATICS SCIENCES

GEM 1100 Computer-Aided Drafting I (2)
This course gives students basic skills using computer-aided drafting software in fundamental two dimensional drafting and design, and advanced techniques in three-dimensional geometric modeling.

GEM 1101 Computer-Aided Drafting II (2)
This course gives students skills in surveying drafting, map components, and fundamental skills in drafting basic surveying features using computer aided software. *Prerequisite(s): GEM 1100.*

GEM 2220 Basics of Surveying (3)
This course provides each student an introduction to measurement theory, instrumentation, measurement systems, measurement computations, data accuracy and precision. The structure of the field of geomatics is explored. Major components of the course are survey statistics, traverse computations, coordinate systems and datums, elevations, and mapping. The use of computer-aided drawing software to produce maps and plats is required. *Prerequisite(s): MTH 1114.*

GEM L220 Basics of Surveying Lab (1)
This field laboratory provides the opportunity to use instrumentation to make the necessary measurements to produce computed products. Focuses on the use of a field book to record measurements, the analysis of field measurements, and the use of survey instrumentation. *Prerequisite(s): MTH 1114*

GEM 3309 Land Survey Principles (3)
The course includes the basic principles of land tenure and the cadaster with the major component being the study and application of survey statute and related case law. The concepts underlying the hierarchy of evidence, sequential versus simultaneous conveyances, adverse possession, riparian rights, land descriptions, and the U.S. Public Land Survey System are explored. *Prerequisite(s): GEM 2220.*

GEM L309 Land Survey Principles Lab (1)
This laboratory explores the impact of land survey law on the practice of surveying and mapping in the state of Alabama. Focuses on the practice of writing legal descriptions, the structure of the U.S. Public Land Survey System, and courthouse research. *Prerequisite(s): GEM 2220*

GEM 3310 Land Survey Practice (3)
The issues of boundary location and retracement are central to this course. Focuses on Alabama survey history, the practice of surveying in Alabama, professional ethics, and the Standards of Practice for Surveying in Alabama. *Prerequisite(s): GEM 3309. Co-requisite GEM L310*

GEM L310 Land Survey Practice Lab (1)
Students will participate in surveys of sectionalized land in Pike County. Section corners, quarter corners and other evidence will be located using GPS and traditional surveying methods. Students will also be assigned a township research project and will present the research results to the class. *Co-requisite(s): GEM 3310*

GEM 3330 Advanced Measurement Analysis (3)
Survey equipment calibration, instrumentation error, topographic mapping, control leveling, instrumentation error, and the propagation of error through survey calculations. This course is the second course of a one-year study of survey fundamentals. *Prerequisite(s): GEM 2220. Co-requisite(s): GEM L330*

GEM L330 Advanced Measurement Analysis Lab (1)
Field laboratory experience using EDMI calibration baselines, conducting topographic mapping projects and control level loops, and testing for instrument errors. The student is introduced to the field use of data collectors. *Co-requisite(s): GEM 3330*

GEM 3366 Photogrammetry and Remote Sensing (3)
Introduction to metrical photogrammetry, interpretative photogrammetry, and remote sensing. Focuses on the theory, instrumentation, and practical application of photogrammetry to the problem of mapping the earth's surface. Remote sensing concepts, principles, sensors, and specific satellite platforms are covered in the course. Hands-on exercises are given that makes use of software to create stereo models, orthophotos, and perform image processing.

GEM 3379 Introduction to Least Squares Adjustment (3)
The theoretical principle of error propagation and least squares adjustment theory to compute optimized solutions to geomatics problems involving redundant data. The use of mathematical scripts and least squares software to solve spatial data adjustment problems in land surveying and geomatics applications. *Prerequisite(s): MTH 1125, STAT 2210, MTH 2230, GIS 2201, GEM 3330 or instructor approval.*

GEM 3395 Cooperative Work Experience I (1)
The course provides students with experience working with an employer approved for the Cooperative

Work Experience component of the Surveying and Geomatics Sciences Program. The student is expected to submit a written and oral report to the faculty member directing the project, detailing the work experience. *Prerequisite(s): GEM 2220, 2.0 overall grade point average, and approval of the Geomatics Program Director.*

GEM 4403 Introduction to Geodetic Astronomy (3)
This course introduces students to spatial and temporal reference systems, including for astronomical work; ICRF and ITRF; celestial observations for position and azimuth at different levels of precision, reduction of observations, automated observation systems; deflection of the vertical and related observations. *Prerequisite(s): MTH 1125, GEM 4415*

GEM 4404 Introduction to Geophysics (3)
This course introduces students to geophysics, discussing Earth and the solar system, plate tectonics, gravity, gravimetry, and gravity gradiometry, rheology, seismology and seismic investigations, the Earth's magnetic field and geomagnetic investigations. Other techniques of geophysical exploration, including ground-penetrating radar, will be briefly covered. *Prerequisite(s): MTH 1125 or equivalent, PHY 2253 or equivalent*

GEM 4405 Route and Construction Surveying (3)
Explores the theoretical foundations of route and construction surveying. Course topics are coordinate geometry (COGO), horizontal and vertical curve models, spirals, alignments, stationing, cross sections, areas, volumes, and route design elements. *Prerequisite(s): GEM 3330. Co-requisite(s): GEM L405*

GEM L405 Route and Construction Surveying Lab (1)
This field laboratory applies the principles of route and construction surveying, the use of civil design software, and the use of data collectors for practical design and field layout. *Co-requisite(s): GEM 4405*

GEM 4407 Land Development (3)
Explores the concepts and problems associated with the design and construction of subdivisions and related infrastructure. *Prerequisite(s): GEM 4409. Co-requisite(s): GEM L407*

GEM L407 Land Development Lab (1)
This computer laboratory provides the student the opportunity to design and create those drawings necessary for local government approval of the typical subdivision. *Co-requisite(s): GEM 4407*

GEM 4408 Geodesy and Geodetics (3)
Focuses on mathematical models of the earth, survey astronomy, the earth's gravity field, and coordinate systems, and geodetic reference framework. Important skills developed in this course include coordinate and datums transformations, map projections, astronomic observation, geodetic computations, surveying network design, and geodetic control survey. *Prerequisite(s): MTH 1125 or instructor approval.*

GEM 4409 Hydrology (3)
Explores several models used to compute runoff estimates based on particular rainfall events. Course topics are the hydrologic cycle, rainfall intensity, runoff models, hydrographs, storm sewer design, culvert design, open channel flows, watershed delineation, water detention and retention structures, and onsite sewage disposal systems.

GEM L409 Hydrology Lab (1)
Compute peak runoff estimates, and open channel designs. Computer models are explored with respect to solving and presenting peak runoff solutions. A design project involving the use of large-scale topographic maps will be assigned.

GEM 4410 Introduction to Global Positions (GPS) (3)
Introduction to history and development of GPS and global navigation satellite systems (GNSS); GPS signals and observables; basic principles of GPS operations; GPS error analysis, GPS survey methods and procedures; and GPS data collection, processing; and GPS applications to Geomatics. *Prerequisite(s): GIS 3390, GEM 4408.*

GEM 4415 Foundations of Geodesy (3)
Fundamentals of geometric geodesy, historical longline formulae, 3-D formulae, classical and modern observation and reduction methods, refraction, gravity and geoids, physical geodesy, vertical height determination and observations, inertial measurements systems. *Prerequisite(s): MTH 1125, GEM 4408 or equivalent*

GEM 4420 Least Squares Adjustment and Analysis (3)
Theoretical foundation of least squares adjustment, error models, observation and condition equations, general least squares, phased adjustment, error ellipses and ellipsoids, quality control in adjustments, software for adjustment, applications in surveying, geodesy and photogrammetry. *Prerequisite(s): MTH 1125, GEM 3379 or equivalent*

GEM 4422 Reference Frames and Map Projections (3)
Reference systems and reference frames, co-ordinate systems, transformation between systems, 4-D reference frames, NATRF 2022 and related systems; fundamentals of map projections, distortions, projection design and implementation, transformation between projections; applications of reference frames and map projections. *Prerequisite(s): MTH 1125*

GEM 4490 Geomatics Capstone (1)
This course prepares students for the national Fundamentals of Surveying exam to cover all aspects of the exam. *Prerequisite(s): GEM 4409*

GEM 4493 - Guided Independent Study (1-3)
Supervised study through creative field and laboratory projects in the Surveying and Geomatics field. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of Geomatics Program Director, Department Chair, and Dean. May not be used to repeat a course for which*

a grade of D or below has been earned. This course may not be substituted for any required course.

GEM 4494 - Guided Independent Study (1-3)
Supervised study through guided readings, creative endeavors in the Surveying and Geomatics field. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of Geomatics Program Director, Department Chair, and Dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

GEM 4496 - Cooperative Work Experience II (1)
The student must be in residence at Troy University for a minimum of one semester after completion of GEM 3395 before leaving for cooperative work experience under GEM 4496. The student is expected to submit a written and oral report to the faculty member directing the project, detailing the work experience. *Prerequisite(s): GEM 3395 and approval of the Geomatics Program Director.*

GEM 4499 - Geomatics/GIS Projects (2)
This course offers the Geomatics/GIS student the opportunity to apply the fundamental principles and concepts learned in the study of Geomatics/GIS to a particular problem or project. The student will state the problem, design an experiment to test a hypothesis concerning the problem statement, take the measurements, analyze the data, state conclusions, and write a final report based on the analysis and conclusions. *Prerequisite(s): GEM 4409.*

GEOGRAPHY

GEO L485 GIS/Spatial Data Modeling Lab (2)
The purpose of this lab is to allow the students to demonstrate their ability to collect, formulate, analyze, and draw conclusions based upon a real world modeling exercise.

GEO 2210 World Regional Geography (3)
Physical and cultural features, economy, and populations of the geographic regions of the world.

GEO 2220 Digital Exploration of the World (3)
Using digital technologies to collect and present multimedia information tied to locations and landscapes around the world. With storytelling as a communication methodology, this course teaches skills in exploring and visualizing historical change in space and time on the earth using mobile devices, internet, Augmented Reality (AR) and Virtual Reality (VR) technologies.

GEO 2225 Geography of North America (3)
This course is designed to introduce the student to the region of North America from a geographic perspective. This course examines the North American by investigating the survey of agricultural, industrial, and commercial development of Anglo-America, as well as covering physical and cultural environment, resource distribution, economy, and population characteristics. In examining the regional geography of North America, we will begin the course by exploring the basics in terms of the physical environment, historical development and political economy, and subsequently explore North America by breaking it down to its sub-regions-each of which will include the above topics plus examinations of the sociocultural aspects of the sub-regions.

GEO 2299 Basic GIS (3)
This course is for students who are interested in learning the basics about Geographic Information System (GIS) and use of this powerful technology to create maps, collect data, and perform advanced analysis. This course is designed for a broad audience.

GEO 3300 Principles of Physical Geography (3)
Earth geography including climate, soils, natural vegetation, water resources, rocks, minerals, and surface structures.

GEO 3301 Principles of Cultural Geography (3)
Interrelationship of geographical elements in various world situations.

GEO 3306 Geography of Asia (3)
This course is designed to introduce the physical and cultural geography of the Asian region. Students will be provided with an overview of Asian landform features and climate coupled with a discussion of human interaction with a variety of Asian landscapes in terms of historical, political, economic, religious, and ethnic factors using geographic and cartographic analytical techniques.

GEO 330 Geography of Europe (3)
Selected topic studies in the physical and cultural environment, resource distribution, economy, and population characteristics of the European-Slavic land areas. Special attention will be devoted to the study of the geo-political influence of this area on lesser developed nations and the U.S.

GEO 3309 GIS/Spatial Data Applications in Criminal Justice (3)
An introduction to the use of spatial data applications in a wide range of real world policing endeavors; i.e., monitoring sexual predators, traffic accident reporting and modeling, crime scene analysis. One field trip to the Department of Public Safety in Montgomery, Ala. is required.

GEO 3331 Geography of the Middle East and North Africa (3)
Physical setting, resource distribution, economy, population characteristics, and geopolitical importance of the region.

GEO 3350 Weather and Climate (3)
A study of the physical properties of weather and climate.

GEO 4402 Political Geography (3)
Analysis of the reciprocal effects of geography and political organization on the behavior of states including boundaries and frontiers, national resources, spatial strategy, and maritime power.

GEO 4403 Conservation (3)
The conservation of natural and human resources with emphasis on population expansion as the major element in changing ecology.

GEO 4404 GIS/Spatial Data Applications in Economics (3)
An introduction to the use of spatial data applications in the fields of business and economic development, including site selection and analysis of customer characteristics.

GEO 4406 Urbanism (3)
Historical, physical, economic, and societal evolution of the urban area. American metropolitan problems and implications for policy and planning. *Note: One field trip required at student's expense. This course may be taken for sociology credit.*

GEO 4408 Rural America: Past and Present (3)
A study of rural society, its organization, agencies, institutions, population trends and composition, patterns of settlement, social processes, and change in character.

GEO 4411 Population and Society (3)
This course provides an overview of how to analyze and think about changing population trends in the U.S. as well as around the world. Students will learn how to relate contemporary and pressing problems such as migration, population growth, fertility, death rates, and other population changes to current social and economic policy debates (e.g., funding for Social Security, education, healthcare, etc.).

GEO 4412 Geography of Latin America (3)
An analysis of the major physical and cultural aspects of Middle and South America.

GEO 4426 Geography of the Russian Realm (3)
An analysis of the physical and cultural aspects of Russia and the other former republics of the Soviet Union.

GEO 4435 Historical Geography of North America (3)
An analysis of the physical and cultural factors in the development of North America from early European settlement to the present.

GEO 4485 Practicum in GIS/Spatial Data (3)
Supervised GIS projects on a topic chosen by the student. Intended to give practical experience for the student seeking GIS employment post-graduation.

GEO 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. Guided independent research may be taken only in the applicant's major or minor field.*

GEO 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. Guided independent research may be taken only in the applicant's major or minor field.*

GEO 4493 Guided Independent Study (1-3)
Supervised study through field and laboratory projects, guided readings, creative endeavors or achievement of specific skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note**: This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. Guided independent research may be taken only in the applicant's major or minor field.*

GEO 4494 Guided Independent Study (1-3)
Supervised study through field and laboratory projects, guided readings, creative endeavors or achievement of specific skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. A written request is to be submitted to the department chair at least two weeks in advance of the term in which the study is to be undertaken. May not be used to repeat a course for which a grade of D or below has been earned. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course*.

GEO 4498 Honors Independent Study (1-3)
Advanced research and study for outstanding students in their major field. Culminates in report to a department committee which includes invited faculty members in related fields. *Note: For additional information, see Placement in Academic Courses.*

GERMAN

Note: For additional information, see Placement in Academic Courses.

GER 1121 **Introductory German I (3)**
Introduction to the German language and culture.

GER 1122 **Introductory German II (3)**
Introduction to the German language and culture. *Prerequisite(s): GER 1121 or permission of instructor*

GER 2221 **Intermediate German I (3)**
Emphasis on basic language skills and knowledge of German culture. *Prerequisite(s): GER 1122 or permission of instructor*

GER 2222 **Intermediate German II (3)**
Emphasis on basic language skills and knowledge of German culture. *Prerequisite(s): GER 2221 or permission of instructor*

GER 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. . **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

GER 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

GREEK

Note: For additional information, see Placement in Academic Courses.

GRK 1111 **Introductory Greek I (3)**
Introduction to the ancient Greek language with emphasis on pronunciation, basic vocabulary, fundamentals of grammar, and graded readings.

GRK 1112 **Introductory Greek II (3)**
Continuation of GRK 1111. *Prerequisite(s): GRK 1111 or permission of instructor*

GEOGRAPHIC INFORMATION SCIENCES

GIS 2201 **Introduction to Spatial Computing using Python (3)**
This course introduces students to Spatial Computing using Python as a programming language. This course will introduce students to computer programming and mathematical and scientific modules/packages in Python. Students will learn basic concepts of geospatial objects, such as points, lines and polygons, and geospatial algorithms through Python programming. They will get hands-on experience in processing, analyzing, and visualizing spatial data and writing computer programs to solve geospatial problems. *Prerequisite(s): MTH 1114*

GIS 3301 **Cartography & Geovisualization (3)**
Skills and knowledge required to design, produce and reproduce maps, and understand the computation issues relating to these workflows, and capabilities for representing and interpreting spatial information through maps and related mapping products.

GIS 3305 **Spatial Information and Analysis (3)**
Skills and knowledge related to spatial processes, point patterns, and autocorrelation in area data, as well as in continuous fields. *Prerequisite(s): GIS 3390*

GIS 3310 **Introduction to Remote Sensing (3)**
The course introduces the basics and application of remote sensing for earth observation. It covers physical principles of remote sensing technologies, different types of remote platforms and sensors, data acquisition, storage, processing, interpretation, analysis, and applications.

GIS 3390 **Fundamentals of Geographic Information and Analysis (3)**
This course is the first course in a one-year study of the fundamentals of Geographic Information Systems (GIS). Topics of study are digital mapping, data capture, data conversion, data structures, and spatial data concepts. Hands-on exercises are included using some of the common GIS software.

GIS 3391 **Application of Geospatial Information Sciences (3)**
This course provides a study of common applications of GIS. The course provides further study in database design, digital base map analysis and testing, and spatial analysis. Hands-on exercises are included using some of the common GIS applications. *Prerequisite(s): GIS 3390*

GIS 3395 **Study Abroad in Geospatial Information Sciences (3)**
This course provides an opportunity for Geomatics/GIS students to explore spatial applications on a global scale through study abroad and an international field trip, to expand their understanding of their global identity, and to enhance their intercultural competence within their personal and professional development. *Prerequisite(s): GIS 3390*

GIS 4401 **Spatial Database Design and Management (3)**
Introduction to design, implementation, and management of spatial data base systems; modeling and representation of spatial objects; fundamentals of relational database design, normalization, and SQL; spatial data queries, spatial indices, and integrity constraints; and spatial database management and applications. *Prerequisite(s): GIS 3390*

GIS 4405 **Spatial Modeling and Programming (3)**
Introduction to geospatial analysis and modeling process using GIS modeling tools and programming languages. Focuses on GIS customization, integration of basic geoprocessing tools, programming fundamentals of Python, spatial data access and manipulation with Python, design and implementation of geospatial solutions to automate geoprocessing tasks using Python. *Prerequisite(s): GIS 2201, GIS 3390*

GIS 4415 **Advanced Geospatial Technologies (3)**
This course provides students an introduction to advanced technologies in geospatial data collection and analysis, including GNSS, LiDAR, terrestrial 3D scanner, UAS, and their integration with Geographic Information Systems. *Prerequisite(s): GIS 3390*

GIS 4420 **Web Based GIS/ Spatial Data Applications (3)**
The student will learn the techniques and protocols needed to develop and transmit spatial databases for use by a variety of interests on the World Wide Web. "Remote" spatial data analysis on existing databases will be an important component of the course. *Prerequisite(s): GIS 3390*

GIS 4490 **GIS Senior Project (3)**
This course offers students, with senior status, an opportunity to independently apply fundamental principles and concepts learned in the study of geospatial information science to a specific application. Each student will identify a specific problem, conduct background and literature research, collect and analyze spatial data, design and implement GIS functions/models to solve the problem, state conclusions and present the study in a final report. *Prerequisite(s): Senior standing*

GIS 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

GIS 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

GIS 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

GIS 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

GIS 4499 **GIS Internship (3)**
The course provides students with real work experience with an employer approved for the internship component of the GIS major. The student is expected to submit a written report and oral presentation to the faculty member directing the project, detailing the work experience. *Prerequisite(s): GIS 3391*

HISTORY

HIS 1101 **Western Civilization I (3)**
Survey of developments in Western history from the pre-historic era to early modern times, including classical antiquity, Middle Ages, and Renaissance and Reformation.

HIS 1102 **Western Civilization II (3)**
Survey of developments in Western history from modern times to the contemporary era, including the Scientific Revolution, Enlightenment, French Revolution and Napoleon, nationalism, imperialism, two world wars, and the postwar era.

HIS 1103 **Honors Western Civilization I (3)**
Chronological coverage same as HIS 1101. Enrollment restricted to superior students. *Prerequisite(s): Permission of department chair*

HIS 1104 **Honors Western Civilization II (3)**
Chronological coverage same as HIS 1102. Enrollment restricted to superior students. *Prerequisite(s): Permission of department chair*

HIS 1111 **U.S. to 1877 (3)**
Survey of American history from the colonial period through Reconstruction, including the Revolution, Constitution, Early National Era, sectional problems, and the Civil War.

HIS 1112 **U.S. since 1877 (3)**
Survey of American history from post-Reconstruction to the contemporary era, including industrialization, emergence as a world power, World War I, Great Depression, World War II, Cold War, the expanding role of government, and global issues in the post-Communist era.

HIS 1113 **Honors U.S. to 1877 (3)**
Chronological coverage same as HIS 1111. Enrollment restricted to superior students. *Prerequisite(s): Permission of department chair*

HIS 1114 **Honors U.S. since 1877 (3)**
Chronological coverage same as HIS 1112. Enrollment restricted to superior students. *Prerequisite(s): Permission of department chair*

HIS 1122 **World History to 1500 (3)**
This course surveys the origins, development, and character of the major centers of civilizations and their relationships to one another from the earliest civilizations to 1500.

HIS 1123 **World History from 1500 (3)**
This course surveys the growth, development, and character of the major centers of civilizations from 1500 to the present. The course focuses on the growing interconnections among societies around the globe in politics, economics, culture, and technology and examines the wide processes leading to the emergence of the present world.

HIS 1124 **Honors World History I to 1500 (3)**
Chronological coverage same as HIS 1122. Enrollment restricted to superior students. *Prerequisite(s): Permission of department chair*

HIS 1125 **Honors World History II to 1500 (3)**
Chronological coverage same as HIS 1123. Enrollment restricted to superior students. *Prerequisite(s): Permission of department chair*

HIS 2210 **History Through Games (3)**
This course will utilize a variety of different game formats, including video games, role-playing games, board games, and sports to explore historical concepts and events. Students will be encouraged to think analytically about the ways games interpret historical events versus textbook explanations.

HIS 2215 **History Through Movies and Music (3)**
This course will explore historical topics through various popular culture sources, including movies and music. Students will be encouraged to compare the popular culture material with historical events as well as analyze the sources in the context of their times.

HIS 2220 **Cultural History of Alcohol and Drug Use in the United States (3)**
This course examines attitudes, laws, religious structures, and political movements related to the prohibition and promotion of alcohol and other drugs in various periods in America's past. The course will examine films, music, novels, and dramatic works in an attempt to understand the role of mood-altering substances in American life. Particular attention will be paid to attempts to provide solutions to problems associated with alcohol and drug use such as the prohibition movement, Alcoholics Anonymous, medical-based treatment programs, and prevention programs.

HIS 2225 **The African-American Experience (3)**
This course explores African-American history from slavery though the present day, with a focus on societal roles and contributions, along with political thought and cultural movements. The course emphasizes the importance of this history and culture in understanding the world today.

HIS 2230 **General Topics in History (3)**
Historical examination of a designed topic of special and/or current interest and importance generally not covered in regularly offered courses by the department. This course may be repeated once for credit.

HIS 2235 **History of the American Civil War (3)**
This course introduces students to the legal, political, cultural, and military conflicts that redefined the United States between 1845-1877.

HIS 2280 **Travel Study in History (1)** ***Contact Hours: 3***
Supervised investigation of relevant topics in history through travel-study abroad or within the interior of United States. **Note:** Course may be repeated with permission of instructor. *Prerequisite(s): Permission of instructor Course*

HIS 2281 **International History of World War II (3)**
This course explores the causes, features, and consequences of WWII within the international context, placing emphasis on the military, diplomatic, economic, technological, and special aspects of the Western and Eastern European and Pacific theatres. Students will examine the interconnectedness of events as well as the memory and legacy of the war in the US, Asia, and Europe today.

HIS 3302 **History of Religion in the United States (3)**
A study of the development of religion in the United States, including denominations, beliefs, church life, and the relationship of religious beliefs to other beliefs and institutions. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 3304 **Military History of the United States (3)**
A study of war in United States history from the Colonial period to the present, with emphasis on the role of warfare in United States history and the relationship of the military to the civilian. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 3311 **Civilization of Greece (3)**
Historical and cultural achievements of the Greeks and their legacy to the modern world.

HIS 3312 **Civilization of Rome (3)**
Historical and cultural achievements of the Romans and their legacy to the modern world.

HIS 3314 **History of Game Design (3)**
A focus on the history and development of different types of games and game mechanics. Emphasis placed on integrating games with their particular cultural and political context. Students will produce a working prototype of a game as part of the class.

HIS 3316 **History of Alabama (3)**
A study of the demographic, political, social, economic, and religious aspects of Alabama's history, emphasizing the role of the state within the nation. *Prerequisite(s): HIS 1111 and 1112 or permission of instructor*

HIS 3331 **Western Thought since the 17th Century (3)**
Principal ideas and political thinking from the Age of the Enlightenment to the present. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of instructor*

HIS 3346 **Cultural History of the United States to 1877 (3)**
A study of American society through its literature, religion, philosophy, and the arts. Emphasis will be on immigration patterns, European cultural transfer, and environmental adaptations that created the American character. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 3347 **Cultural History of the United States since 1877 (3)**
This course provides a concentrated study of changing thought patterns resulting from the rise of Big Business, theories of the public interest, and the emergence of the United States as a world power. Wide opportunities for reading offered in religion, philosophy, literature, and the arts. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 3365 **Bioethics in Historical Context (3)**
This course focuses on the development of bioethics, organized both chronologically and thematically. By situating fundamental ethical questions in historical context, we will analyze the influence of developments in science and technology (e.g., introduction of new drugs, transplantation, dialysis, cloning), as well as the cultural, political, and legal contexts of key ethical issues.

HIS 3375 **Research and Methodology (3)**
A course designed to acquaint students with research methods and computer skills as related to the history profession. The principal requirement is the successful completion of a formal research paper in which students will demonstrate proficiency in research, writing, and basic computer skills. **Note:** It is strongly recommended that history majors complete this course during the first term of their junior year. Students must receive a grade of C or better for credit toward completion of degree requirements. *Prerequisite(s): Nine semester hours of history surveys including one of the freshman/sophomore-level series*

HIS 3382 **Travel Study in History (1-3)**
Supervised investigation of relevant topics in history through travel-study abroad or within the interior of the United States May be repeated for credit with permission of instructor *Prerequisite(s): Permission of Instructor*

HIS 4401 **French Revolution and Napoleon (3)**
A study of absolutist-aristocratic France challenged by democratic-egalitarian ideals and revolution, including the role of Napoleon as conqueror of Europe and as propagator and destroyer of the French Revolution. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of instructor*

HIS 4402 **Nineteenth Century Europe 1815-1914 (3)**
A study of Europe from the Congress of Vienna to 1900, including political, social, and economic developments in various countries, the rise of nationalism and unification movements, and imperialism. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of instructor*

HIS 4404 **Modern Eastern Europe (3)**
This course examines political, economic, and social developments of nineteenth- and twentieth- century Eastern Europe from the Revolutions of 1848 through the collapse of the Soviet bloc and beyond. The course analyzes the impact of the disintegration of Russian, Ottoman, and Habsburg empires on inter-war Eastern Europe; examines the establishment, development, and eventual collapse of communism in the region; and explores the dynamics of post-Cold War European integration. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of the instructor*

HIS 4405 **Old South (3)**
An examination of the cultural, political, religious, and economic trends that shaped the colonial and antebellum South and the Civil War which ended that era. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4406 **New South (3)**
An examination of the political, social, racial and religious trends and policies that defined the New South. Topics include reconstruction, redemption, agrarian unrest, Jim Crow, industrialization, Progressive Movement, World War I, the Great Depression, World War II, and the Civil Rights Movement. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4407 **Jacksonian America (3)**
A study of the emerging American nation. Topics will include Jeffersonian and Jacksonian democracy, the market revolution and slavery, the Second Great Awakening, and rise of reform movements, Manifest Destiny and the Mexican War. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4409 **Infectious Diseases and History (3)**
The course provides a study of the causes and effects of infectious diseases on major events in human history from the Neolithic revolution to the present. A selected case study will be presented. *Prerequi-*

site(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of the instructor

HIS 4410 Gender, Health, and History (3)
Explores the historical relationships between sex, gender, and medicine in the western world and improves students' cultural and historical literacy, understanding of major health issues in the health professions, the role of gender and sex in medicine and culture, and the diversity of medical and social practices. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of the instructor*

HIS 4411 Colonial America (3)
Study of the colonial period from European discovery to the end of the French and Indian War, with emphasis on the political, economic, and social developments that set the stage for the American Revolution. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4412 American Revolution and New Nation (3)
Ideas and institutions which led to American independence, the creation of an American union, and the development of a distinctive American culture in the period preceding 1800. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4413 Sectionalism, Civil War, and Reconstruction (3)
Examines territorial expansion, slavery, and sectional strife, and the resulting Civil War and Reconstruction. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4414 Rise of Industrial America, 1877-1920 (3)
Examines the period in American History between 1877 and 1920. Topics covered include the results of Reconstruction, the development of the New South, agricultural decline and crisis, industrialization and urbanization, Progressive Era reform, the growth of America as a world power, and the causes and effects of World War I. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4415 Post World War II America (3)
Examines the political, economic, and cultural themes in American history from 1945 to the present. Topics covered include the effects of World War II, the origins and development of the Cold War, the Civil Rights Movement, the social movements of the 1960s and 1970s, the Vietnam War, the economic and political crises of the 1970s, the rise of conservatism in the 1980s, and the effects of America's rise to superpower status. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4419 World War II (3)
This course explores the Second World War in its global context from its origins to its conclusion. We will examine the causes, conduct, and consequences of the war, the personalities involved, and the influence the war has had on the modern world. Both the European and Pacific Theatres will be examined, as will the home front. Emphasis will be placed on the political, military, and social developments during the war. *Prerequisite(s): HIS 1101/HIS 1102 or HIS 1111/HIS 1112 or HIS 1122/HIS 1123 or permission of instructor*

HIS 4420 History of American Minorities (3)
Study of selected ethnic, racial, cultural, social, and religious minorities, their treatment within and their contributions to American society. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4421 African-American History (3)
An introduction to the history of African Americans from the 17th century to the present, including slavery, Civil War and emancipation, legalized discrimination, and the struggles for equality in present day American society. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4422 Gender History in America (3)
An introduction to the history of gender in America from the 17th century to the present, exploring the major economic, religious, social, and political ideas and developments which have shaped conceptions about gender in American history. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4423 History of American Foreign Relations (3)
A study of the factors, forces, and functions in the making of American foreign policy from the 1760s to the present. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4425 Introduction to Public History (3)
Introduces students to the field of public history and addresses the relationship of applied and academic history, the major debates in the discipline, and provides an overview of public history's subfields and historic traditions.

HIS 4426 Arab-Israeli Conflict (3)
This course surveys the origins, development, and prospects for the future in the long-standing conflict between the Arabs and Israelis. Attempting to place the developing conflict within the wider context of the history of the Middle East from the late 18th century to the modern era, as well global politics, we will discuss some of the most important developments, issues and contention that are made surrounding this highly charged issue. *Prerequisite(s): HIS 1101/HIS 1102 or HIS 1122/HIS 1123 or permission of instructor*

HIS 4430 Civil Rights Movement (3)
Study of the origins of the Civil Rights Movement in the late nineteenth and twentieth centuries, the beginnings of change in the 1930s and the World War II era, and the movement itself as defined by legal, political, and social conflict and change from the latter 1940s to the present. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4431 The Vietnam War (3)
A study of the period 1946 to 1975 in Indochina with emphasis on American involvement in the region as part of the larger Cold War context. The course draws heavily on the new historiography of the Vietnam War that has emerged following the collapse of the Soviet Union and is based on newly

declassified documents from the western world (especially the United States), Vietnam, China, Russia, and the former socialist camp. ***Note:*** *May be used for political science credit. Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4433 **Modern Russia (3)**
The development of the revolutionary movements and tsarist reform attempts, World War I, revolutions of 1917 and the Bolshevik victory, establishment of the Stalinist state, World War II, the Cold War, Soviet domestic problems, and the disintegration of the USSR. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of instructor*

HIS 4437 **Interwar and World War II America (3)**
A study of America in the years between the end of World War I and the end of World War II. Topics will include cultural and economic changes during the 1920s, the causes and effects of the Great Depression, the programs of the New Deal, and the diplomatic, culture, and social causes and effects of World War II. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4438 **The Cold War (3)**
This course explores the history of the Cold War, focusing on its origins, the major events (the Korean War, the Cuban Missile Crisis, the Vietnam War, the Berlin Crises, and so on), and the collapse of the Soviet Union. The emphasis of the course is placed on analyzing newly available primary documents from the Western and former communist sources and their impact on previous Cold War historiography. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1111 and HIS 1112 or HIS 1122 and HIS 1123 or permission of the instructor*

HIS 4441 **American Constitutional Development (3)**
A study of the American constitutional system with emphasis upon its origin and evolution via amendments and Supreme Court decisions. **Note:** May be used for political science credit. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4443 **Late Antiquity (3)**
Study of developments in the Mediterranean and Europe during the third through eighth centuries, including the fall of the Roman empire and the rise of barbarian kingdoms. The course examines the interrelatedness of economics, politics, warfare, and religion in shaping late ancient societies. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of the instructor*

HIS 4444 **The Crusades (3)**
Study of the origins and execution of the series of religious wars called the crusades. In addition to analyzing the various campaigns, the course also examines the phenomenon in the context of the social and cultural conditions in medieval Europe, Byzantium and Islam. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of the instructor*

HIS 4447 **The Holocaust (3)**
An examination of the Holocaust, from medieval origins of antisemitism to the persecution of the Jews in the 1930's, resulting in the Final Solution of the 1940's. This course will focus on the implementation of the Nazis' anti-Semitic politics and the responses of other nations to the Holocaust, examining the roles of victims, perpetrators, and bystanders. The course will also survey the impact of the Holocaust on the world today. *Prerequisite(s): HIS 1101 and HIS 1102, or HIS 1122 and HIS 1123, or permission of the instructor*

HIS 4448 **The West in American History (3)**
Study of the history of the American West from European contact to the present. Topics will include the role of the US government, the effects of American expansionism on immigrants and indigenous populations, and struggles over resources and territory. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4449 **History of Nazi Germany (3)**
An examination of Adolph Hitler and the Nazi Party from their origins in the aftermath of World War I, through their rise to power to defeat of the regime in 1945. The course will focus on how the Nazis came to power and what they did when they achieved it: their policies and practices, collaboration and resistance to the Nazis, and ramifications of Nazi rule. The course will also address why such an advanced country as Germany would support such regime. *Prerequisite(s): HIS 1101 and HIS 1102, or HIS 1122 and HIS 1123, or permission of the instructor*

HIS 4450 **Environmental History of the U.S. (3)**
An introduction to environmental history of the United States from the 18th century to the late 20th century, emphasizing the post-World War II period. The course will focus on the historical development of the science of ecology, the origins of environmental problems and solutions attempted by government and experts, as well as responses by grassroots activists over time. *Prerequisite(s): HIS 1111 and HIS 1112 or permission of instructor*

HIS 4451 **Modern East Asia (3)**
Study of the development and interaction of Chinese, Japanese, and Korean civilizations, the impact of Western cultures, twentieth-century conflicts, resolutions and accommodations. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of instructor*

HIS 4452 **History of the Medieval Middle East (3)**
This course covers the Middle East from the time of the birth of Islam through the founding of the Ottoman Empire in 1517. This class will provide a thematic treatment of issues like historiography, religious division, slavery, gender, and the status of Jewish and Christian communities under the Islamic Caliphs and Sultans. *Prerequisite(s): HIS 1101 and HIS 1102 OR HIS 1122 and HIS 1123 or permission of instructor*

HIS 445 **History of the Modern Middle East (3)**
This course covers the Middle East from Napoleon's invasion of Egypt through the present day, covering the 19th Century, Zionism, the fall of the Ottoman Empire, the Arab-Israeli Conflict, and the colonial and postcolonial periods. *Prerequisite(s): HIS 1101 and HIS 1102 OR HIS 1122 and HIS 1123 or permission of instructor*

HIS 4462 **Age of Absolutism (3)**
Survey of political and religious controversies that shaped affairs in Europe during the 16th and 17th centuries, emphasizing the cataclysmic developments in scientific, political, humanitarian, and economic thought that prepared the way for the rise of democracy in both the old and the new world. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of instructor*

HIS 4463 **Europe in the Age of Enlightenment (3)**
Survey of European history in the 18th century, emphasizing developments in society, politics, economics, and culture. The course will broadly emphasize the changing nature of authority in the 18th century from the beginning of the century until 1789- the year of the French Revolution. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of instructor*

HIS 4464 **England to 1688 (3)**
A survey of English history from the Anglo-Saxons to the Glorious Revolution, emphasizing the interaction of geographical, political, economic, and cultural forces which shaped England as a monarchy. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of instructor*

HIS 4465 **England from 1688 (3)**
The final evolution of the English political system from the reign of William and Mary to the contemporary era, including social and economic transformations, the British Empire, the two world wars, the welfare state, and current issues. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of instructor*

HIS 4466 **Renaissance and Reformation (3)**
Historical review of the transitional centuries bridging the medieval and the modern eras, including the rebirth of art and literature, the Protestant and Catholic reform movements, and the role of kings and states. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of instructor*

HIS 4467 **Medieval Europe (3)**
Western Europe from the fall of Rome to the Renaissance, including religious and intellectual traditions and the revival of governmental institutions. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of instructor*

HIS 4468 **Europe in the World Wars, 1914-1945 (3)**
The course explores Europe from the beginning of the First World War through the end of the Second World War, with examination of the causes, conduct, and consequences of World War I, the interwar period, the growth of fascism and totalitarian regimes, and the outbreak and effects of World War II. Emphasis will be placed on the political, military, economic, and social developments of the European continent during this period. *Prerequisite(s): HIS 1101 and HIS 1102 OR HIS 1122 and HIS 1123 or permission of instructor*

HIS 4469 **Europe since World War II (3)**
The course explores political, military, economic, and social developments of Europe after World War II, including the reconstruction and division of Europe, the rise and the end of the Cold War, the establishment and collapse of communism, division of Germany, military alliances, the European Community, and the efforts towards European integration. *Prerequisite(s): HIS 1101 and HIS 1102 OR HIS 1122 and HIS 1123 or permission of instructor*

HIS 4474 **Internship in History Education (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite(s): Admission to TEP. Co-requisite(s): SED 4454*

HIS 4481 **Methods and Materials for the Secondary Teacher (3)**
A survey of teaching methods and materials appropriate for teaching in the content areas for grades 6-12. Topics addressed will include teacher evaluation in the public schools, collaboration with special education teachers, and lesson planning formats. In addition, teaching methods, selections organization and use of history/social science materials for grades 6-12 will be covered in detail. A professional laboratory experience is included in this course. *Prerequisite(s): Admission to TEP*

HIS 4486 **The Caribbean (3)**
A history of the Caribbean region from pre- Columbian times to the present. Topics will include the indigenous population, European colonialism and its legacy, the impact of slavery and racial diversity in the region, cultural and political revolutions, and the area's relationship with the United States. *Prerequisite(s): HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of the instructor*

HIS 4490 **Senior Seminar in History (3)**
The capstone course for history majors which synthesizes students' course work through research, historiography, writing, speaking, and reading comprehension. **Note:** Students must receive a grade of "C" or better for credit toward completion of degree requirements. *Prerequisite(s): Senior standing at all institutions and HIS 3375*

HIS 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and

procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

HIS 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

HIS 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

HIS 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

HIS 4495 **Selected Topics in History (3)**
Historical examination of a designed topic of special and/or current interest and importance, which is generally not covered in regularly offered courses by the department. *Prerequisite(s): Applicable survey courses or permission of instructor*

HIS 4498 **Honors-Independent Study (1-3)**
Advanced research and study for outstanding students in their major field. Culminates in report to a departmental committee that includes invited faculty members in related fields. *Prerequisite(s): Senior level and 35 overall grade point average. Permission of guiding professor and approval of department chair and the dean of arts and sciences. A written request must be submitted to the department chair at least six weeks in advance of the semester the research is to be undertaken.*

HIS 4499 **Internship in History (1-3)**
Supervised work in an agency that can provide practical experience in the field of study. **Note**: Course may be repeated for credit with permission of instructor. *Prerequisite(s): Senior standing, at least 25 GPA, 12 hours in upper-division courses in the field, and permission of supervising instructor, department chair and/or dean*

HEALTH

HLT 4481 **Methods and Materials for the Secondary Health Educator (3)**
Teaching methods, selection, organization and use of health education materials in grades 6-12. Topics addressed will include teacher evaluation in the public schools, collaboration with special education teachers, and lesson plan formatting. A professional laboratory experience is included in this course. *Prerequisite(s): Admission to the Teacher Education Program. Please see the index for additional information regarding the University Honors Program*

UNIVERSITY HONORS PROGRAM

Please see the University Honors Global Scholars Program.

HON 1101 **Freshman Honors Seminar: Global Perspectives: Ideas, Events, Aesthetics, and Opportunities (3)**
This freshman seminar is an intensive, discussion-based course delivered by invited Honors faculty (e.g., Provost's Fellows/ Malone Award/ Ingalls Award winners) that integrates the study of significant thinkers, current events, aesthetics, and professional development through a global lens. Students will engage in critical discussions, collaborative projects, and reflective practices to develop a comprehensive understanding of how global challenges, cultural diversity, and interdisciplinary perspectives shape contemporary issues. This course offers opportunities for small groups of students to engage in discussion of course materials, to interact with alumni and noted guest speakers, and to receive close mentorship from the faculty member, all of which enable students to begin thinking of their career and future paths. Topics will vary based on the professor's expertise and local travel may be required depending on the teaching professor's discretion. *Prerequisite(s): Admission as a candidate for University Honors Global Scholars Program in fall semester of the freshman or sophomore year, and permission of Director of University Honors Global Scholars Program and the relevant academic Dean.*

HON 2201 **Global Scholars Honors Colloquia (3)**
HON 2201: Global Scholars Honors Colloquia is a preparatory course designed to equip students for their upcoming HON 3380: Global Travel Study: Short-Term Research Abroad course. This unique, tutorial-style course meets weekly to select a country of cohort interest, identify potential experiences, and

gain insights into planning their project abroad while locating and contacting mentors, institutions, alumni, and partners abroad for a successful Short-Term Research Abroad (STRA) experience. The course includes in-depth cultural orientations, discipline-specific workshops, and opportunities for collaboration, featuring guest speakers who are experts in their fields. Students will begin to seek out potential mentors (Major Professor) and will start developing research interests in their area of focus that align with the proposed country for use in Honors CORE. They will gain valuable insights into societal dynamics, cultural diversity, and operational practices that enhance their learning experiences. Finally, students will engage in reflective practices through journaling and group discussions, ensuring they are well-prepared to integrate their global experiences into their academic pursuits. *Prerequisite(s): Students must have completed HON 1101 Freshman Honors Seminar: Global Perspectives: Ideas, Events, Aesthetics, and Opportunities*

HON 3380 Global Travel Study: Short Term Research Abroad (STRA) (3)
This course builds upon the foundational knowledge gained in HON 2201: Global Scholars Honors Colloquia, where students complete all preliminary research and planning, including in-depth cultural orientation and discipline-specific introductions. In this course, students from various majors engage in a travel abroad experience that is also tailored to their fields of study. The groundwork done in HON 2201 prepares students for immersive field projects abroad that promote "meaningful discovery " in their respective disciplines. Examples include visiting local schools to observe educational practices, meeting scientists at international research stations, engaging with global businesses on market expansion strategies, volunteering with healthcare organizations on public health initiatives, uncovering cultural heritage through museum visits or analyzing local media and participating in theater, art or music festivals. This course offers opportunities to foster interactions with business, government, and civil society leaders. Throughout the travel experience, students engage in daily reflections and interdisciplinary collaborations, sharing knowledge across majors. The course culminates in a student learning journal, a reflection paper, and a final integration session, helping to incorporate global experiences into their future thesis or capstone projects. By blending cultural immersion with academic rigor, the course enhances global proficiency and fosters "meaningful discovery" that prepares students for advanced research and professional development. *Prerequisite(s): HON 2201 Global Scholars Honors Colloquia*

HON 4498 University Honors Global Scholars Thesis or Capstone (3)
Students will demonstrate their development by completing a University Honors Global Scholars CORE segment through ONE of the following tracks. A key component of the Honors CORE is the culmination of all research and academic work through student presentations during the designated Honors Week. *Prerequisite(s): HON 3380 Global Travel Study: Short Term Research Abroad (STRA)*

HUMAN RESOURCE MANAGEMENT

HRM 3375 Global Human Resource Management (3)
A survey of the roles, functions, and activities of human resource management including job analysis, job design, recruiting, selection, placement, training and development, compensation, employee and labor relations, and current issues in both the domestic and global environments. *Prerequisite(s): Lower-level Core, MGT 3300*

HRM 3376 Honors Global Human Resource Management (3)
A survey of the roles, functions, and activities of human resource management including job analysis, job design, recruiting, selection, placement, training and development, compensation, employee and labor relations, and current issues in both the domestic and global environments for the superior students. *Prerequisite(s): Lower-level Core, SCOB Honors Student, and permission of the Associate Dean*

HRM 4455 Employment Law (3)
A study of the major employment laws and related regulations as they apply to the private sector. *Prerequisite(s): Lower-level Core*

HRM 4473 Labor Law and Collective Bargaining (3)
A study of court decisions, national labor, administrative regulations, and procedures of the National Labor Relations Board that guide effective approaches to collective bargaining and labor relations. *Prerequisite(s): Lower-level Core.*

HRM 4481 Staffing (3)
Addresses theory, principles, practices, and legal requirements for effective recruitment, selection, and promotion in organizational settings. *Prerequisite(s): Lower-level Core and HRM 3375*

HRM 4482 Managing Health, Safety and Diversity (3)
This course addresses the theory, practice and legal requirements in managing employee health, safety, and cultural diversity in organizational settings. *Prerequisite(s): Lower-level Core*

HRM 4483 Human Resource Development (3)
Theory and practice in human resource training and development applied to organizational settings. *Prerequisite(s): Lower-level Core, HRM 3375*

HRM 4485 Performance Appraisal and Compensation (3)
Addresses theory, principles, practices, and legal requirements linking effective performance management and compensation and benefit systems in organizational settings. *Prerequisite(s): Lower-level Core, HRM 3375*

HRM 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to

3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

HRM 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

HRM 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

HRM 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

HRM 4496 Special Topics in HRM (3)
This course examines a selected human resource management topic of interest that is not covered in depth in other course offerings. Prior topic approval by the Associate Dean of the Sorrell College of Business is required. *Prerequisite(s): Lower-level Core*

HRM 4499 Human Resource Management Internship (3)
The Human Resource Management Internship provides students with the opportunity to gain real-world work experience in the field of human resource management. Students gain practical, professional experience in conjunction with academic development under the supervision of both a faculty member and a supervisor within an organization. A written request must be submitted to the department chair at least two weeks in advance of the semester or term in which the study is to be undertaken. **Note:** This course may not be substituted for any required course. Students may earn no more than 6 hours of internship credit. *Prerequisite(s): Junior or senior standing, department chair approval*

HOSPITALITY, SPORT, TOURISM MANAGEMENT

HSTM 2201 HSTM Industry Fundamentals (3)
This course provides the student with an introduction and broad understanding of professional skills including but not limited to: critical-thinking, issues analytics, business communication, and technology. All students will be introduced to fundamentals of hospitality, sport, tourism and event industries with emphasis toward practical tools and strategies for successful professional development and career preparation.

HSTM 2202 Cultural Exposure Experience (3)
This course allows students to obtain a cultural experience and broadened understanding of perspectives by traveling and studying away. Classroom lectures, field trips and presentations from domestic and international business industry professionals and academicians will supplement the cultural experience. Travel in the cultural exposure experience will include domestic and/or international academic trips. *Prerequisite(s): Permission of instructor*

HSTM 2205 Introduction to Hospitality, Tourism and Event Management (3)
This course is a fundamental introduction to the hospitality, tourism and event management industries with an emphasis on the role and relevance of these industries to society.

HSTM 2210 Event Management (3)
This course provides foundational knowledge for the event planning industry with an emphasis on practical skills and knowledge students need to succeed in the events industry.

HSTM 2220 Tourism Management (3)
This course provides foundational knowledge for the tourism management industry with an emphasis on practical skills and knowledge students need to succeed in the events industry.

HSTM 2230 Hospitality Management (3)
This course provides a foundational knowledge for the hospitality management industry with an emphasis on practical skills and knowledge students need to succeed in the hospitality industry.

HSTM 2240 Introduction to Recreation Management (3)
This course provides an overview of recreation on federal, state, and local levels with respect to history, program, population, facilities and trends.

HSTM 2245 Introduction to ESPORTS (3)
This course explores the history of the ESPORTS industry, its place in the sporting industry as well as stakeholders and their respective roles, ethical issues, the future of ESPORTS, and careers in ESPORT. This introductory course is designed to provide a

general overview of the ESPORT industry for those familiar and unfamiliar with gaming.

HSTM 2255 Introduction to Sport Management (3)
This course is designed to introduce the student to sport management, both as an academic major and as a professional endeavor. This course will also provide a broad overview of sport management sites, functions, and sectors.

HSTM 2257 Global Hospitality, Sport, Tourism and Event Management (1-3)
This course allows students to obtain a global hospitality, sport, tourism and event management perspective by traveling and studying abroad. Classroom lectures, field trips and presentations from international hospitality, sport, tourism and event professionals and academicians will supplement the cultural experience. *Prerequisite(s): Permission of instructor*

HSTM 3320 Event Information, Communication, and Technology (3)
This course is designed to serve as an introduction and exploration of various common and emerging information technologies in the event management field. This course will encourage the undergraduate students interested in event planning and management to remain with contemporary developments in the field.

HSTM 3325 Experience and Design Management (3)
Experience design is the process for improving customer sentiment of products and services and experience management is the method for determining what to improve in services and products. This course comprehensively examines theoretical and applied dimensions of experiences, experience design and experience management. Students will learn about design, delivery, evaluation and management of experiences in hospitality, tourism and events. This course will extend student knowledge in these areas to create and enhance customer experiences by exploring topics such as social and positive psychology, design thinking and the experience economy.

HSTM 3330 Festivals and Event Tourism (3)
This course provides a comprehensive overview of the festival and event tourism industry. Students will be introduced to the various types of festivals and special events as well as their personal, societal, cultural, economic, and environmental consequences. The course also explores management issues and strategies necessary to plan, organize, fund, market, stage, and evaluate tourism related festivals and events.

HSTM 3334 Beverage Operations (3)
This course will provide students a more detailed view of beverage operations management. Students will gain working knowledge as it relates to facilities and equipment, service technology, guest relations, beverage laws, and financial operations of a beverage operation.

HSTM 3335 Facility Management (3)
This course is designed to provide the student with information concerning the planning, design, organization, and administration of sport, fitness and recreational facilities. *Prerequisite(s): HSTM 2255*

HSTM 3336 Beverage Management (3)
This course is designed to introduce the student to beverage management, both as an academic and professional endeavor. This course will provide a broad overview of beverage management career opportunities, functions, and sectors.

HSTM 3350 Leadership Principles in Hospitality, Tourism and Event Management (3)
This course is designed to assist students in undertaking and developing a personal philosophy on leadership. Students will be required to conduct self-evaluation, examine and develop a leadership philosophy, values and moral reasoning skills. Topics explored will include but are not limited to the discussion of major leadership, moral and ethical issues in hospitality, sport, tourism and events. *Prerequisite(s): HSTM 2255 OR HSTM 2205*

HSTM 3353 Legal Aspects in Sport Management (3)
In this course the student will gain an appreciation for the legal and business matters that pertain to sport and related areas. Students will acquire working awareness and understanding of the basic legal and business responsibilities of coaches, sport managers and practitioners, along with an understanding of legal terms, concepts and issues that influence the management of programs. Students will also develop appreciation for business elements of sport, which encroach upon the law.

HSTM 3356 Business Foundations of ESPORTS Management (3)
Introduces the foundations of ESPORTS management. Students will learn the importance of industry-specific stakeholders, including title publishers, event organizers, leagues and sponsors, and take an in-depth look at the unique opportunities and challenges of ESPORTS and marketing, communications, financial impacts, and legal concerns.

HSTM 3357 Case Studies in ESPORTS (3)
Explores contemporary and ethical issues relating specifically to gaming. Students analyze case studies and articles pertaining to issues surrounding health, exploitation, oppression, and representation in online games. This course encourages students to think critically about ESPORTS as a professional, social, and cultural endeavor, and to prepare themselves to be ethical and responsible professionals in the ESPORTS industry.

HSTM 3358 ESPORTS Performance (3)
This course examines ESPORTS performance from a holistic perspective. Topics will range from coaching and player strategies related to trending games, functionality of games via varying platforms, as well as physical and mental health topics, all with an emphasis at garnering a better understanding of techniques that enhance or diminish ESPORTS performance.

HSTM 3359 Shoutcasting (3)
Students learn the basics of broadcasting ESPORTS competitions and productions, such as play-by-play, how to provide in-depth analyses, pre-production research, transitions and overall storytelling.

HSTM 3365 Research for Business Professionals (3)
The purpose of this course is to provide SCOB students with a fundamental understanding of the research and evaluation process related to business industries. Emphasis will be on the systematic and objective processes of collecting, recording, analyzing and interpreting data to inform managerial decisions. *Prerequisite(s): HSTM 2255, or HSTM 2230, or HSTM 2220*

HSTM 3374 Resort and Hotel Management (3)
This course is designed to provide the student with a comprehensive overview of all aspects of hotel, resort, and vacation rental operations, specifically focusing on facility design, revenue management, rooms, housekeeping, safety and security, engineering, and sales.

HSTM 3377 Domestic and International Tourism (3)
This course examines the tourism industry from a domestic and international perspective. Topical areas include: cultural tourism, eco-tourism, sociology of tourism, tourism components and supply, tourism development, the economic role of tourism and demands and the international scope of tourism.

HSTM 4410 Tourism Economics (3)
This course examines the fundamental economic principles as they apply to the tourism industry. Students will be exposed to the application of various economic analyses to tourism and will also examine the impacts of tourism on regional and national economies.

HSTM 4414 Sustainability in Hospitality, Tourism and Event Management (3)
This course covers the management of sustainable hospitality, tourism and event management through decision making on the economic, social, and environmental ("triple bottom line") sustainability of actual cases from these industries. The course comprehensively examines the theoretical and applied dimensions of contemporary sustainable hospitality, tourism and event management for a local to global perspective.

HSTM 4415 Tourism Impacts and Planning (3)
This course concentrates on the study of tourism impacts, both positive and negative, ranging in scope from the local to the global. Students will be exposed to a range of environmental, economic, socio-cultural and political issues and impacts at the local, regional, national, and international level.

HSTM 4417 Current Issues in Tourism (3)
This course is designed to serve as a mechanism for the introduction of new information and technology issues for the tourism industry. This course will encourage the undergraduate student in tourism management to remain current with contemporary developments in the tourism industry.

HSTM 4418 Tourism Development and Planning (3)
This course provides an introduction to the nature and scope of tourism planning and development at the local, regional, and national levels. Topics to be addressed include economic, social, environmental, and policy considerations within the sustainable development framework. This course also discusses planning and development guidelines to be considered in different geographical areas.

HSTM 4419 Community-Based Tourism (3)
This course concentrates on the use of the tourism industry to positively enhance community economic, social, environmental, and institutional domains. Students will learn theoretical and practical tools to use tourism to enhance areas including: quality-of-life, social capital, economic development, governance, and stewardship of natural resources. Students will then learn how to extend and enhance the capacities of these variables within tourism systems to strengthen communities that interact and depend on the tourism industry.

HSTM 4420 Hospitality, Tourism and Event Management Finance (3)
This course investigates principles, concepts, and current trends in financial and revenue management as related to the hospitality, tourism and event industries. *Prerequisite(s): HSTM 2205*

HSTM 4423 Current Issues in Hospitality, Tourism and Event Management (3)
This course is designed to serve as a mechanism for the introductions of new information and technology issues for the hospitality, tourism and event industries. *Prerequisite(s): HSTM 2205*

HSTM 4425 Human Resource Management in Hospitality, Tourism and Events (3)
This course focuses on a decision-making process that affects the performance, quality, and legal compliance of the hospitality, tourism and event industries. Beginning with a foundation of the hospitality, tourism and event industry, employment law, and HR policies, this course will further explore recruitment, training, compensation, performance appraisal, environmental and safety concerns, ethics and social responsibility, and special issues. *Prerequisite(s): HSTM 2205*

HSTM 4428 Legal Aspects in Hospitality, Tourism and Event Management (3)
This course provides coverage of legal issues in hospitality, tourism and events, including those associated with hotels, restaurants, transportation, travel agents, tour operators, gaming, mixed-use venues, property management and timeshare properties. *Prerequisite(s): HSTM 2205*

HSTM 4430 Sport Marketing (3)
This course is designed to introduce the student to marketing principles and practices that are used in the specialized application of sport marketing. This course will also encourage students to consider how traditional marketing strategies may be applied to this substantial and growing industry. *Prerequisite(s): HSTM 2255*

HSTM 4431 Analytics in Hospitality, Sport, Tourism and Event Management (3)
The purpose of this course is to introduce students to the basic statistical analyses and various applications of analytics in the hospitality, sport, tourism and events industries. Emphasis will be placed on utilizing these tools to inform managerial decisions. *Prerequisite(s): HSTM 2255 OR HSTM 2205*

HSTM 4435 Current Issues in Sport Management (3)
This course is designed to serve as a mechanism for the introduction of new information and technology issues for the sport industry. This course will encourage the undergraduate sport management student to remain current with contemporary developments in the sport industry. *Prerequisite(s): HSTM 2255*

HSTM 4440 Governance and Policy in Sport (3)
This course is designed to provide the student with information concerning basic structure and governing principles of various sport agencies. The course will include, but is not limited to, an examination of the National Collegiate Athletic Association, National Association of Intercollegiate Athletics, and national and international professional sports leagues. In addition, students will be introduced to the importance of policy development in the areas of finance, human resources, facility use and control, equipment, travel, public relations, and risk management. *Prerequisite(s): HSTM 2255*

HSTM 4443 Case Studies in Sport Management (3)
This course is designed to provide sport related cases containing actual and/or hypothetical facts/fact patterns, historical context, data, and related information to undergraduate students. Students are charged with assessing the situation, generating and analyzing potential solutions, and identifying optimal solutions to the problems presented in the case. Students are exposed to the issues facing sport organizations, and how management techniques can be applied to solve business problems. In addition, students will develop effective written and oral communication skills critical to success in the sport industry. *Prerequisite(s): HSTM 2255*

HSTM 4450 Event Management in Hospitality, Sport and Tourism Management (3)
This course is designed to give advanced students the opportunity to plan, prepare and administer leisure-related events, thus providing students with practical experiences in hospitality, sport and tourism management. Students will gain experiences in event management, including planning, organizing, implementing, evaluating, directing personnel, securing sponsorships and marketing for multiple events. *Prerequisite(s): Junior or Senior standing in HSTM major*

HSTM 4451 Sport Economics and Finance (3)
This course is designed to provide the student with information concerning the basic theories of economics to evaluate professional and amateur sports, including topics like league structures, labor-relations, incentive structures, free agency, salary caps, stadium financing, revenue generation, expanse management, and the role of public policy. *Prerequisite(s): HSTM 2255*

HSTM 4452 Communication in Hospitality, Sport, Tourism and Event Management (3)
This course is designed to provide the student with a fundamental understanding of community, media, and public relations in the hospitality, sport, tourism and event industries with a special focus on message development, image building, and crisis management.

HSTM 4462 Hospitality, Tourism, and Event Marketing (3)
This course is designed to introduce the student to marketing principles and practices of hospitality, tourism, and events. The course will review terminology, systems, techniques, and processes that are used in the specialized application of hospitality, tourism and event marketing. This course will also encourage students to consider how traditional marketing strategies may be applied to these substantial and growing industries. *Prerequisite(s): HSTM 2205*

HSTM 4465 Service in Hospitality, Tourism and Event Industries (3)
This course provides students with the study of basic and exceptional service throughout the various hospitality, tourism and event industries. Theories and terminologies will be discussed related to customer service and recovery.

HSTM 4466 Food and Beverage Management (3)
This course examines the practical application of managerial skills necessary for food service operations, specifically focusing on facility design, equipment usage, food safety, cost controls, and operational function.

HSTM 4467 Beverage Appreciation (3)
This course will provide an introduction and historical perspective to a variety of alcoholic and non-alcoholic beverages.

HSTM 4468 Recreation Administration (3)
This course is designed to provide the student with a comprehensive understanding of the management and administration of leisure and recreation organizations. This course will emphasize leadership roles of administrators, human resource management, budgeting and financial management, marketing, communication, technology, and facility planning and operations.

HSTM 4469 Beverage Appreciation and Evaluation (3)
This course will provide an introduction, historical perspective and sensory evaluation to a variety of alcoholic and non-alcoholic beverages. Three distinct areas will be explored including: wines of the world, beer and brewed beverages, and spirits and mycology concepts. *Prerequisite(s): Students must be at least 21 years of age or older*

HSTM 4470 Revenue Generation in Hospitality, Sport, Tourism and Event Management (3)
This course will provide professional sales techniques needed to form a framework for revenue

generation in the hospitality, sport, tourism and event industries. Students will examine the foundations, theory, and framework associated with sales, and the dynamics associated with building and fostering relationships necessary for a vibrant client base. *Prerequisite(s): HSTM 4462 or HSTM 4430*

HSTM 4480 Event Planning and Operation (3)
This course is an in-depth look at the skills and knowledge required to develop, plan, and execute events. This course is designed to extend beyond basic planning functions and develop core competencies including: strategic planning, project management, risk management, financial management, administration and HR management, site selection, marketing, and event design. *Prerequisite(s): Instructor Approval Required*

HSTM 4485 Practicum I (3)
The practicum opportunity is designed to provide practical experiences for hospitality, sport, tourism and/or event industries. The practicum allows the student to develop and mature through exposure to and practical experience with a variety of tasks under the guidance of trained, established leaders in the field. This is a supervised learning experience with an approved hospitality, sport, tourism, or event service agency, organization, or institution. *Prerequisite(s): Instructor Approval Required*

HSTM 4486 Practicum II (3)
The practicum opportunity is designed to provide practical experiences for hospitality, sport, tourism and/or event industries. The practicum allows the student to develop and mature through exposure to and practical experience with a variety of tasks under the guidance of trained, established leaders in the field. This is a supervised learning experience with an approved hospitality, sport, tourism, or event service agency, organization, or institution. *Prerequisite(s): Instructor Approval Required*

HSTM 4488 Internship I in Hospitality, Sport, and Tourism Management (3)
A supervised experience in planning, staging, and evaluating a form practicum in related field. This is the first term in a two term internship experience. *Prerequisite(s): Permission of internship coordinator and Troy Online home location*

HSTM 4489 Internship II in Hospitality, Sport, and Tourism Management (3)
A supervised experience in planning, staging, and evaluating a formal practicum in related field. This is the second part in a two part internship experience. *Prerequisite(s): HSTM 4488 and permission of internship coordinator, and Troy Online home locator*

HSTM 4490 Internship in Area of Concentration (6)
A supervised experience in planning, staging, and evaluating a formal practicum in related field. *Prerequisite(s): Permission of Instructor and Troy campus-home location*

HSTM 4491 Guided Independent Research (3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

HSTM 4492 Guided Independent Research (3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

HSTM 4493 Guided Independent Study (3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

HSTM 4494 Guided Independent Study (3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

HSTM 4499 Senior Seminar (3)
Students enrolled in this capstone course will examine trends, career paths, and discuss current topics in the hospitality, sport tourism and event industries. Students will engage in several mock professional experiences and demonstrate their enhanced understanding of their respective field. *Prerequisite(s): Senior Standing and permission of instructor*

HUMAN SERVICES

HS 2230 Survey of Human Services (3)

A survey of the major human service delivery systems to include historical development, populations served, professional roles, and interrelationships between targeted social problems and services delivered. Introduction to the ecological/systems perspective as a tool for understanding these relationships. Includes observations and field trips.

HS 2240 Ethics in the Helping Profession (3)
Ethical decision-making and skill development within the helping professions.

HS 2250 Fundamentals of Case Management (3)
This course will introduce the foundation of case management to include the process of assessment, planning, facilitation, care coordination, evaluation, documentation and advocacy of options and service. Case studies will be utilized to facilitate practical application.

HS 2260 Introduction to Non-Profit Organizations (3)
This introduction to non-profit organizations is designed to aid helping professional students develop a basic understand and knowledge of the history, operation, and structure of non-profit organizations. Will include management, compliance, leadership roles, and development of a non-profit organization.

HS 3300 US Justice and the Helping Profession(al) (3)
This course will explore historical and current issues in the US justice system that have resulted in the marginalization of disadvantaged populations, who typically enter into this system. It will provide an overview of the US justice system and how it interests with human services and social work. Specifically, the focus will be an exploration of the juvenile and adult justice systems as well as policies and strategies shown favorable in the promotion of social justice and advocacy on behalf of those within the justice system. This class is designed for the student who has a desire to understand how helping professions (social work, human services, rehabilitation) and the US justice system are relevant to each other. This course is advantageous with or without future plans of working in the criminal justice system.

HS 3310 Human Behavior in the Social Environment I (3)
The biopsychosocial aspects of human growth and development throughout the life cycle from infancy to adolescence. Emphasis is placed on understanding the individual in interaction with major social systems. Knowledge, skill, and value bases necessary for biopsychosocial assessment is built. *Prerequisite(s): HS 2230 or SWK 2250; HS 2240 or HS 2250*

HS 3325 Wellness Across the Lifespan I (3)
Introductory examination of several aspects of wellness to include nutrition, physical activity, and mental wellness, from birth to young adulthood. This course exposes the student to resources related to a wellness plan.

HS 3335 Wellness Across the Lifespan II (3)
Introductory examination of several aspects of wellness to include nutrition, physical activity, and mental wellness, adulthood to death and dying. This course exposes the student to resources related to a wellness plan.

HS 3370 Professional Communication Skills in the Helping Profession(al) (3)
Principles and techniques of interviewing for human services professionals. Major emphasis is the building of active listening, reflecting content/meaning/feeling, conveying warmth, empathic skills via role play and scenario development. *Prerequisite(s): HS 2230 or SWK 2250; HS 2240 or HS 2250; HS 3310*

HS 3375 Practicing Cultural Responsiveness (3)
This course serves as a vital platform for students to not only gain an understanding of cultural diversity, ethnic and gender sensitivity, and ageism but also to appreciate their profound importance in social work practice across diverse populations. Cultural responsiveness is pivotal in social work, as it equips students with the knowledge and skills needed to engage effectively with individuals from various backgrounds, fostering empathy and inclusivity. Understanding these aspects not only enhances the quality of care and support provided but also contributes to building trust and rapport with clients, ultimately leading to more meaningful and successful interventions.

HS 3380 Human Services Study Abroad (3)
Students will study abroad and engage in service learning opportunities in another culture. Students will develop an understanding of the economy, culture, customs and human services practices of the country while observing and engaging in direct human service practice. *Prerequisite(s): Successful completion of Troy Study Abroad Program requirements and fees*

HS 3399 Pre-Practicum Seminar (3)
This course will evaluate the student's ability (knowledge, values, and skills) required to begin Human Service Practicum Experience. The class will focus upon areas essential for competent human service practice, including social policy and contemporary topics. Human Services majors must complete this course with a grade of "C" or better and secure an approved practicum site. *Prerequisite(s): Completing of HS Major requirements.*

HS 4400 Human Service Practicum I (3)
Provides experiences in a variety of social and human services settings with an emphasis on the multiple natures of human problems and the impact these problems have on the disabled and disadvantaged. Includes a weekly seminar plus a minimum of 120 clock hours at the approved practicum site. Practicum hours and responsibilities will be determined by practicum agency supervisor. Human Services majors must complete this course with a grade of C or better and successful earning of 120-clock-hours. *Prerequisite(s): HS 3399*

HS 4410 Human Service Practicum II (3)
Provides experiences in a variety of social and human services settings with an emphasis on the multiple natures of human problems and the impact these

problems have on the disabled and disadvantaged. Includes a weekly seminar plus a minimum of 120 clock hours at the approved practicum site. Practicum hours and responsibilities will be determined by practicum agency supervisor. Human Services majors must complete this course with a grade of C or better and successful earning of 120-clock-hours. *Prerequisite(s): HS 4400*

HS 4420 Human Service Practicum III (6)
Provides experiences in a variety of social and human services settings with an emphasis on the multiple natures of human problems and the impact these problems have on the disabled and disadvantaged. Includes a weekly seminar plus a minimum of 240 clock hours at the approved practicum site. Practicum hours and responsibilities will be determined by practicum agency supervisor. Human Services majors must complete this course with a grade of C or better and successful earning of 240-clock-*hours. Prerequisite(s): HS 3399*

HS 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

HS 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

HS 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. h. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

HS 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

INTEGRATED ARTS

IA 1150 Integrated Arts and the Creative Habit (1)
Discover the Integrated Arts approach to developing creative habits. Engage not only your curiosity and imagination, but also discover new ways of working and connecting through active innovation, boundary-crossing, challenging assumptions, and moving beyond inhibitions.

IA 2235 Creative Collaborations, Teams, and Partnerships (2)
Work dynamically together and achieve more. Students explore collaborative ideas and experiment with hands-on application of new communication skills and tools. Emphasis on creative thinking and problem-solving, role play within different types of teams, partnerships, and collaborative groups. Learn how to lead or enrich your participation in creative ventures of any kind.

IA 3335 Integrated Arts Concept and Design (2-3)
Students collaborate in the design and conceptual development of a unique creative production or project with a focus on multidisciplinary work and innovative integration of arts with other areas and disciplines. Outcomes aimed at public presentation and/or service. May be repeated for credit

IA 3340 Integrated Arts Production (1-3)
Students collaborate in the process for unique creative production or project with a focus on multidisciplinary work and innovative integration of arts with other areas, disciplines, and enterprises culminating in public presentation and/or service. May be repeated for credit.

IA 3365 Special Topics in Integrated Arts (1-3)
Examination of selected topics not included in the established curriculum, with emphasis on topics and approaches of a multi-disciplinary nature. May be repeated for credit.

IA 3366 Special Topics in Integrated Arts (1-3)
Examination of selected topics not included in the established curriculum, with emphasis on topics and approaches of a multi-disciplinary nature. May be repeated for credit.

IA 4496 Integrated Arts Internship (3-6)
In this individualized internship, students work with an organization, business, or enterprise to engage in creative problem-solving in a professional setting, utilizing the arts integration process and skill sets. Expectations for collaborative goal-setting and measurable beneficial outcomes in partnership with

host(s) and other stakeholders. *Prerequisite(s): Permission of instructor and IA advisor*

INTERDISCIPLINARY STUDIES

IDS 1101 **Global Challenges (3)**
Students will build knowledge and skills for globally competent citizenship and public service to address global challenges (population, resources, technology, information, economies, governance) faced in the 21st century.

IDS 1102 **Interdisciplinary Study Abroad (1)**
A one-hour semester course for use with approved student study abroad travel. Examines the history and culture of the locations to be visited. This course cannot be used to satisfy General Studies requirements in Areas I-IV. *Prerequisite(s): Permission of the instructor*

IDS 2200 **Crossroads: Sophomore Interdisciplinary Seminar in Creative Thinking (3)**
This seminar examines specific academic themes from a variety of interdisciplinary perspectives that reach across the human, natural, and social sciences. By capitalizing on the distinctive methodologies offered by faculty members from different academic disciplines, the seminar involves students and faculty in creating original approaches to course.

IDS 2201 **Applications in Public Service (3)**
An overview of strategies for civic enrichment that engage various forms of community capital (social, religious and governing institutions, citizens, and business/economic interests) to address defined civic issues. Focus is given to diagnosing civic issues, developing and implementing an intervention and evaluating its impact.

IDS 2230 **International Engagement (3)**
This course is designed to introduce and connect international students to life and culture in the United States at Troy University. The class explores variety of topics central to being a new international student including the history, geography, and culture of the U.S.; navigating various systems at the university and the U.S. (transportation, medical, employment, and campus resources); and interpersonal qualities and skills for success as an international student.

IDS 3305 **Study Abroad through Partnerships (1-12)**
This course acts as a placeholder for students studying abroad. Students studying abroad for a semester or longer through a Troy University exchange partner should be registered for this course by the Study Abroad Coordinator in the Troy Abroad Office. *Prerequisite(s): Completion of Troy Abroad advising and application process*

IDS 3310 **Principled Public Service in a Modern Age (3)**
This course concentrates on exploring ethical practices when individuals come together and address social problems in their communities. Emphasis will be on ethical leadership in the context of teamwork, participatory decision-making, and citizen empowerment. *Prerequisite(s): IDS 1101 and IDS 2201*

IDS 3315 **Systems and Structures of Public Service (3)**
Students will learn basic principles of public management and administration, including history and development, organizational structures, and modern functions of public service organizations and advocacy efforts. *Prerequisite(s): IDS 1101 and IDS 2201*.

IDS 4410 **Social and Policy Entrepreneurship (3)**
This course introduces students to social and policy entrepreneurship through case studies, key readings, and primary information resources. The class will explore the sources of funding for social enterprises, such as philanthropy, governmental funding, grant writing, as well as income generating, self-sustaining arrangements that promote long-term change. *Prerequisite(s): IDS 1101 and IDS 2201*

IDS 4495 **Capstone Experience in Public Service and Civic Engagement (3)**
300 hour field experience internship based at a community agency, healthcare facility, school or government agency focused on application of student's personal plan for community engagement and public leadership. Through the course, students will build applied public leadership skills and use various applications and strategies for civic enrichment.

INTERDISCIPLINARY EDUCATION

IED 4454 **Internship Seminar for Interdisciplinary Education (3)**
This course provides seniors an opportunity during internship to examine broad educational issues and concerns, topics on the state and local levels, and those of personal interest. The scope of the course ranges from juvenile law, classroom management professionalism, professional development for teachers and other course topics. *Prerequisite(s): Admission to TEP. Co-requisite(s): IED Internship*

IED 4472 **Internship in Grades P-12 (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite(s): Admission to TEP. Co-requisite(s): IED 4454*

IED 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research"

under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. Guided independent research may be taken only in the applicant's major or minor field.*

IED 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. Guided independent research may be taken only in the applicant's major or minor field.*

IED 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior status, permission of guiding professor, approval of department chair and the dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

IED 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior status, permission of guiding professor, approval of department chair and the dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

INFORMATION SYSTEMS

IS 2241 **Computer Concepts and Applications (3)**
This course introduces productivity and social media applications in personal and professional development. Topics include the practical and ethical use of information technology and digital resources for improved organization, communication, and collaboration.

IS 3347 **Honors Database Management Systems (3)**
This course is an introduction to database management systems (DBMS) and design via conceptual, logical, and physical modeling techniques. Emphasis is on relational DBMS, including modeling organizational data, representation of data relationships, data definition and manipulation, database design and normalization concepts, database generation, and database administration. This course is designed for Sorrell Global Scholars honors students. *Prerequisite(s): Sorrell Global Scholars student or permission of Associate Dean; IS 2241*

IS 4460 **E-Commerce Design (3)**
This course introduces the basic concepts and language of e-commerce. Coverage includes the planning and development of an e-commerce site, including such issues as security, customer service, payment, and marketing. The course is designed to teach students to explore and evaluate e-commerce technologies, sites, and issues. *Prerequisite(s): Lower-level Business Core*

IS 4470 **Server-Side Web Development and Administration (3)**
This course introduces server-side web application development and administration technologies. The course emphasizes on the ability to design and implement real-world web applications and server- related issues including security and scalability. *Prerequisite(s): Lower-level Business Core*

IS 4475 **Internet Technology Development (3)**
This course introduces web application development technologies in an Internet environment and the related scripting languages. The course emphasizes developing secure client-side web applications with HTML and JavaScript, and consuming web services. *Prerequisite(s): Lower-level Business Core*

INTERPRETER TRAINING

ITP 2200 **Introduction to Interpreting: Professional Identity and Ethical Considerations (3)**
Introduces basic principles and practices of interpreting. The course is designed to provide an over view of interpreting with respect to professional orientation and identity, including an overview and history of the interpreting industry and work of interpreters, hearing and deaf interpreting teams, certification and licensure, legislation affecting interpreters, 2d vs 3d interpreting work, multiculturalism and the variety of consumers and modalities with which interpreters work. Ethical decision-making models and the Code of Professional Conduct are explored. The course culminates in the students mapping out the competencies required to be successful on interpreting certification exams and resources (including Troy University classes, extra-curricular activities, organizations, etc.) to acquire the competencies. *Prerequisite(s): Pre-requisite: ASL 2242 with a grade of C or better, or permission of ITP academic Advisor.*

ITP 3351 **ASL/English Linguistics (3)**
This course is designed to introduce the linguistics of ASL, including phonology, morphology, syntax and semantics. Geographical, generational, racial and

gender differences are explored. English and ASL similarities and differences are highlighted. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and ASL 2242 with a grade of C or better, or permission of ITP Academic Advisor.*

ITP 3353 **Introduction to Interpreting English to ASL (3)**
This is a theory-to-practice course in which interpreter trainees are required to analyze message input from a person using the source language (English), and process and produce an equivalent message intended for an individual using the target language (ASL). Cognitive processing skills will be refined with an emphasis on text and situational analyses and self-evaluation. Interpretations will be rendered consecutively. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and ASL 2242, EDU 2200, EDU 3351, EDU 3360, EDU 3366 with a grade of C or better, or permission of ITP Academic Advisor.*

ITP 3354 **Introduction to Interpreting ASL to English (3)**
This is a theory-to-practice course in which interpreter trainees are required to analyze message input from a person using the source language (ASL), and process and produce an equivalent message intended for an individual using the target language (English). Cognitive processing skills will be refined with an emphasis on text and situational analyses and self-evaluation. Interpretations will be rendered consecutively. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and ASL 2242, EDU 2200, EDU 3351, EDU 3360, EDU 3366 with a grade of C or better, or permission of ITP Academic Advisor.*

ITP 3355 **Transliteration (3)**
Focuses on expressive and receptive transliterating skill development in English and manual Codes for English with attention to setting and register. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and ASL 2242, EDU 2200, EDU 3351, EDU 3353, EDU 3354, EDU 3360, EDU 3366 with a grade of C or better, or permission of ITP Academic Advisor.*

ITP 3360 **Models of Interpretation / Transliteration (3)**
Students will be introduced to various interpreting models, eluding the Process Model, the Cokely Model, and the Colonomos Model. Students will use the models to analyze interpretations. Self-assessment techniques will be taught and Demand-Control theory will be introduced. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and ASL 2242,* EDU 2200 *with a grade of C or better, or permission of ITP Academic Advisor.*

ITP 3364 **Introduction to Educational Interpreting/ Transliterating (3)**
This course surveys the field of interpreting in educational settings. The focus of the course is on an analysis of the educational environment's impact on the deaf/hard of hearing student and the myriad roles of an interpreter in these settings. Guidelines of professional conduct are presented and specialized subject vocabulary is introduced. *Prerequisite(s): ASL 2242, ITP 2200, with a grade of C or better, or permission of ITP Academic Advisor*

ITP 3366 **Discourse Analysis I (3)**
Introduces the concept of discourse analysis as it relates to ASL and English. Transcriptions and analysis of English discourse and texts will be the focus with the implications to interpreters. Emphasis will be on analyzing messages and metamessages within multicultural settings and understanding the biases and filters interpreters often bring to the interpreted task with assumptions made about the meaning of a text based on the interpreter's own experiences. The overarching goal will be to ensure interpreters are able to analyze a text to understand the conversational signals and devices used. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and ASL 2242, EDU 2200 and EDU 3351 with a grade of C or better, or permission of ITP Academic Advisor.*

ITP 3368 **Interpreting in Specialized Settings (3)**
An introductory course which provides an overview of the ethical considerations, specialized vocabulary and skills needed to interpret in special settings such as performing arts, conferences, legal settings, phone relay, religious and health settings. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and ASL 2242 with a grade of C or better, or permission of ITP Academic Advisor.*

ITP 3375 **Introduction to Interactive Interpreting (3)**
This is a theory-to-practice introductory course in interactive interpreting in which students will both observe and practice consecutive interactive interpreting, analyze the parts of the process that go into such interactions and interpretations and analyze the resulting work, creating a continuous feedback loop to build awareness and skills in each of the requisite parts. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and ASL 2242, EDU 2200, EDU 3351, EDU 3360 and EDU 3366 with a grade of C or better, or permission of ITP Academic Advisor.*

ITP 4452 **Discourse Analysis II (3)**
Students will develop a better understanding of the broad methodological areas of discourse analysis and conversation analysis as an approach for understanding signed languages and English, particularly in the context of interpreting. Expands the concepts of discourse analysis as it relates to ASL and interpreted interactions. Transcriptions and analysis of ASL and interpreted discourse and texts will be the focus with the implications to interpreters. Emphasis will be on analyzing messages and metamessages within multicultural settings and understanding the biases and filters interpreters often bring to the interpreted task with assumptions made about the meaning of a text based on the interpreter's own experiences. The overarching goal will be to ensure interpreters are able to analyze a text to understand the conversational signals and devices used are interpreted accurately and effectively across the interpreted boundary from the source message to the target message. Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and ASL 2242, EDU 2200,

EDU 3351 and EDU 3366 with a grade of C or better, or permission of ITP Academic Advisor.

ITP 4456 Advanced English to ASL (3)
Focuses on interpreting/transliterating from spoken English to ASL or Manual Codes for English. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and ASL 2242, EDU 2200, EDU 3351, EDU 3353, EDU 3366 and EDU 3375 with a grade of C or better, or permission of ITP Academic Advisor.*

ITP 4457 Advanced ASL to English (3)
Focuses on interpreting/transliterating from ASL or Manual Codes for English to spoken English. Students develop appropriate use of register and cross-cultural bridging techniques. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and ASL 2242, EDU 2200, EDU 3351, EDU 3354, EDU 3366 and EDU 3375 with a grade of C or better, or permission of ITP Academic Advisor.*

ITP 4458 Advanced Interactive Interpreting (3)
Course focuses on consecutive and simultaneous interpreting and transliterating. Students will develop skills in team interpreting in interactive settings. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and ASL 2242, EDU 2200, EDU 3351, EDU 3353, EDU 3354, EDU 3366 and EDU 3375 with a grade of C or better, or permission of ITP Academic Advisor.*

ITP 4462 Practicum I: Seminar and Field Experiences (3)
This is a field experience course in which interpreter trainees have the opportunity to interview, observe, interact with and shadow interpreters in public venues. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and EDU 4452, EDU 4456, EDU 4457 and EDU 4458 with a grade of C or better, or permission of ITP Academic Advisor.*

ITP 4463 Practicum II: Seminar and Field Experience (3)
This is a field experience course in which interpreter trainees have the opportunity to team interpret with credentialed interpreters. Trainees will interpret in one on-one situations for which they are qualified. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and EDU 4452, EDU 4456, EDU 4457 and EDU 4458 with a grade of C or better, or permission of ITP Academic Advisor.*

ITP 4465 Internship: Educational Interpreting (6)
The internship provides an opportunity for the student to perform, under supervision, a variety of activities that a regularly employed interpreter would be expected to perform in an educational setting. The interpreter-in-training is involved in interpreting interactions appropriate to his/her skill level and training. Interns receive feedback and supervision from on-site supervisors, group seminar supervisors, team interpreters, consumers, and faculty members. Interns are assigned to an educational setting (k-12 or postsecondary) for 300 clock hours, 120 of which must be in direct interpreting service. Students are also responsible for developing and fulfilling a Service Learning Project (SLP) equivalent to at least 20 hours of planning and 20 hours of service to the community serving children. The SLP shall be in partnership with the community and sustainable. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and EDU 4462 with a grade of C or better, or permission of ITP Academic Advisor.*

ITP 4466 Internship: Community Interpreting (6)
The internship provides an opportunity for the student to perform, under supervision, a variety of activities that a regularly employed interpreter would be expected to perform in a community setting. A regularly employed interpreter is defined as a person occupying the professional interpreting role to which the student is aspiring. The interpreter-in-training is involved in interpreted interactions appropriate to his/her skill level and training. Interns receive feedback and supervision from on-site supervisors, group seminar supervisors, team interpreters, consumers, and faculty members. Interns are assigned to a business, organization, interpreting agency, qualified interpreter(s), or rehabilitation setting for 300 clock hours, 120 of which must be in direct interpreting service. Students are also responsible for developing and fulfilling a Service Learning Project (SLP) equivalent to at least 20 hours of planning and 20 hours of service to the community serving adults. The SLP shall be in partnership with the community and sustainable. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus, and EDU 4463 with a grade of C or better, or permission of ITP Academic Advisor.*

ITP 4467 Interpreting Mentorship I: Sign Language/ English Interpreting (3)
Surveys mentoring approaches in interpreter education in the United States. Topics include definitions of mentorship, knowledge and skills needed to mentor, qualities of mentors and mentees, mentorship management, portfolios as mentoring tools, and approaches to mentoring in the US. *Prerequisite(s): For ITP majors: Only by permission of ITP Academic Advisor on the basis of possessing a nationally validated certification prior to Admission and completion of all coursework excluding EDU 4462 and EDU 4463*

ITP 4468 Interpreting Mentorship II: Sign Language/ English Interpreting (3)
This course builds on the information presented in Mentoring I, providing opportunities to practice various approaches and develop expertise in interpreting assessment and feedback. Students will develop their own approaches to mentoring and design their Internship project. *Prerequisite(s): For ITP Majors: Completion of all coursework excluding EDU 4462 and EDU 4463 or permission of ITP Academic Advisor*

ITP 4469 Interpreting Mentorship III: Sign Language/English Interpreting Practicum (3)
Supervised mentoring experience with intensive application of mentoring skills. Emphasizes practical application of mentoring through ongoing

assessment of interpreting and interpreting settings; provides hands-on opportunities to assess, provide feedback, and receive feedback about both interpreting and mentoring skills. *Prerequisite(s): For ITP majors: Only by permission of ITP Academic Advisor on the basis of possessing a nationally validated certification prior to Admission to ITP Completion of all course work excluding EDU 4470 and successful completion (grade C or better) in EDU 4467 and EDU 4468*

ITP 4470 **Interpreting Mentorship IV: Sign Language/English Interpreting Internship (3)**
Implements a supervised mentoring project designed in Mentorship II: Interpreting. Applies knowledge and skills acquired and integrates them with real-world experiences in mentoring. Projects are implemented in collaboration with students' home or sponsoring region to provide mentoring in that area. *Prerequisite(s): For ITP majors: Only by permission of ITP Academic Advisor on the basis of possessing a nationally validated certification prior to Admission to ITP Completion of all course work excluding EDU 4469and successful completion (grade C or better) in EDU 4467 and EDU 4468*

ITP 4471 **Community Interpreting Internship I (3)**
The internship provides an opportunity for the student to perform, under supervision, a variety of activities that a regularly employed interpreter would be expected to perform. The interpreter-in-training is involved in interpreted interactions appropriate to his/her skill level and training. Interns receive feedback and supervision from on-site supervisors, group seminar supervisors, team interpreters, consumers, and faculty members. Interns are assigned to supervising mentor with whom they will identify appropriate learning activities and working experiences for 150 clock hours, 60 of which must be in direct interpreting service. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus and ITP 4463 with a grade of "C" or better, or permission of ITP Academic Advisor*

ITP 4472 **Specialized Interpreting I (3)**
The internship provides an opportunity for the student to perform, under supervision, a variety of activities that a regularly employed interpreter would be expected to perform within one or two of the following specialized settings: educational, medical, mental health, religious, performing arts, legal and/or Video Relay Services. The interpreter-in-training is involved in interpreted interactions appropriate to his/her skill level and training. Interns receive feedback and supervision from on-site supervisors, group seminar supervisors, team interpreters, consumers, and faculty members. Interns are assigned to supervising mentor with whom they will identify appropriate learning activities and work experiences for 150 clock hours, 60 of which must be in direct interpreting service. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus and ITP 4463 with a grade of "C" or better, or permission of ITP Academic Advisor*

ITP 4473 **Community Interpreting Internship II (3)**
The internship provides an opportunity for the student to perform, under supervision, a variety of activities that a regularly employed interpreter would be expected to perform. The interpreter-in-training is involved in interpreted interactions appropriate to his/her skill level and training. Interns receive feedback and supervision from on-site supervisors, group seminar supervisors, team interpreters, consumers, and faculty members. Interns are assigned to supervising mentor with whom they will identify appropriate learning activities and working experiences for 150 clock hours, 60 of which must be in direct interpreting service. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus and ITP 4463 with a grade of "C" or better, or permission of ITP Academic Advisor*

ITP 4474 **Specialized Interpreting Internship II (3)**
The internship provides an opportunity for the student to perform, under supervision, a variety of activities that a regularly employed interpreter would be expected to perform within one or two of the following specialized settings: educational, medical, mental health, religious, performing arts, legal and/or Video Relay Services. The interpreter-in-training is involved in interpreted interactions appropriate to his/her skill level and training. Interns receive feedback and supervision from on-site supervisors, group seminar supervisors, team interpreters, consumers, and faculty members. Interns are assigned to supervising mentor with whom they will identify appropriate learning activities and work experiences for 150 clock hours, 60 of which must be in direct interpreting service. *Prerequisite(s): Sign Language Proficiency Interview rating of Intermediate Plus and ITP 4463 with a grade of "C" or better, or permission of ITP Academic Advisor.*

ITP 4493 **Guide Independent Research I (1-3)**
Undergraduate research with attention to critical evaluation of research technique methods and procedures with work specialized to the Interpreter Training Program. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): For ITP majors: Junior or senior standing with a minimum overall GPA of 3.0, and only by permission of ITP Advisor and approval of department chair. Guided Independent Research may be taken only in the applicant's major or minor field.*

ITP 4494 **Guided Independent Research II (1-3)**
Undergraduate research with attention to critical evaluation of research technique methods and procedures with work specialized to the Interpreter Training Program. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): For ITP majors: Junior or senior standing with a minimum overall GPA of 3.0, and only by permission of ITP Advisor and approval of department chair. Guided Independent Research may be taken only in the applicant's major or minor field.*

ITALIAN

ITL 1101 **Introductory Italian I (3)**
Introduction to the Italian language and culture.

ITL 1102 **Introductory Italian II (3)**
Introduction to the Italian language and culture *Prerequisite(s): ITL 1101*

JAPANESE

JPN 1101 **Introductory Japanese I (3)**
Introduction to the Japanese language and culture.

JPN 1102 **Introductory Japanese II (3)**
Introduction to the Japanese language and culture. *Prerequisite(s): JPN 1101 or permission of instructor*

JPN 2201 **Intermediate Japanese I (3)**
Progressive development of basic language skills in Japanese. *Prerequisite(s): JPN 1102 or permission of instructor*

JPN 2202 **Intermediate Japanese II (3)**
Progressive development of basic language skills in Japanese. **Note**: Reasonable proficiency in keyboarding (25 wpm) is a prerequisite for all journalism courses except COM 1101 and JRN 1103. *Prerequisite(s): JPN 2201 or permission of instructor*

JOURNALISM

***Note:** Reasonable proficiency in keyboarding (25 wpm) is a prerequisite for all journalism courses except COM 1101 and JRN 1103.*

JRN 1100 **Media Technologies (3)**
An introduction to the technological advances in journalism and the promotion of an understanding of the impact of these advancements. *Must make a C or better.*

JRN 1102 **Media Writing (3)**
A basic course in preparing written materials for mass media and for online communication, with emphasis on using Associate Press style. *Prerequisite(s): ENG 1101, ENG 1102, JRN 1100, with grade of C or better in each course. May be taken concurrently with JRN 1100. Must make at least C or better in JRN 1102 before taking JRN 2201.*

JRN 1103 **Introduction to Radio and Television (3)**
An introduction to the electronic forms of mass communication with discussions on the theoretical and business aspects of radio and television, cable and corporate video communications, and an introduction to programming and regulations.

JRN 2201 **Reporting (3)**
Gathering, evaluating and reporting the news for traditional and online media. *Note: Must make at least a C or better Prerequisite(s): Completion of JRN 1102 with grade of C or better.*

JRN 2211 **Media Design (3)**
Headline writing, layout and design using technologies for print, digital publications and social media. *Note: Must make a C or better. Prerequisite(s): JRN 1100 and JRN 1102.*

JRN 2230 **Principles of Journalism and Mass Media (3)**
Exploration of the development of the most notable, historically and socially impactful theoretical perspectives of journalism and mass communication.

JRN 2289 **Social Media Practicum (1)**
Social Media has become an instrumental tool of communication for businesses and organizations of all sizes. Understanding how to use social media effectively as a professional resource is a skill important for any graduate. This course will provide students with real-world lessons and practical experience in the use and function of social media as a tool for public relations outreach and communication. *Prerequisite(s): ENG 1101 or permission of the instructor*

JRN 3300 **Digital News Photography (3)**
Discussion of tools and practical experience in digital and video photography for print and online media.

JRN 3302 **Lifestyle Writing (3)**
Researching and writing feature stories with emphasis on covering issues and trends, pitching ideas to editors and marketing articles. *Prerequisite(s): JRN 2201*

JRN 3312 **Advanced Media Design (3)**
Advanced study and practice using evolving technologies in layout and design of newspapers, electronic publications and digital media. *Prerequisite(s): JRN 2211*

JRN 3315 **Advanced Reporting (3)**
News reporting in a multimedia environment including print, video and online communication. Emphasis is placed on use of background research, investigative reporting, data analytics and writing on deadline. **Note:** Must make a C or better. *Prerequisite(s): JRN 2201*

JRN 3318 **Evolution of Broadcast News (3)**
Exploration of how broadcast news has evolved over the past 75 years, including how daily news broadcasts and iconic news anchors helped shape the course of American history.

JRN 3326 **Advising Student Publications (3)**
Techniques for teaching current and emerging technology, trends and topics to produce student newspapers, yearbooks and broadcast media.

JRN 3327 **Sports Broadcasting (3)**
Advanced methods, techniques and performance styles for broadcast sports news and information.

JRN 3328 **Principles of Sports Media (3)**

An introduction to the history, social impact, technology and language of sports communication across platforms.

JRN 3330 Journalism Practicum (1-3)
Supervised journalism-related experiences focusing on gathering information, writing, editing, photography, design, digital content, broadcast journalism, data analytics and strategic communication.

JRN 3335 Social Media Strategy and Engagement (3)
Exploration and evaluation of social media content and campaigns to capitalize on audience engagement and meet organizational goals, with emphasis on creating content across emerging technologies and platforms and audience analytics.

JRN 3345 Audio Studio Techniques & Producing (3)
An introduction to the technology, production elements, language, theories and procedures of producing audio news broadcasts.

JRN 3360 Broadcast Writing (3)
Application of news gathering techniques to the broadcast writing style using multiple platforms. **Note:** Must make a C or better. *Prerequisite(s): JRN 1102*

JRN 3365 TV Studio Techniques and Producing (3)
Introduction to the production elements, theories and procedures of producing news broadcasts for television, including lighting, set design, preparation, equipment operation, graphics, editing, electronic news gathering (ENG), operation of remote equipment.

JRN 3380 Global Journalism and International Media Systems (3)
An examination of international and domestic mass media systems, the flow of information and technology, and issues of media ownership, access, regulations, programming and cultural differences in international communications.

JRN 4400 Special Topics in Journalism (1-3)
Lecture, discussion, and research course designed to acquaint students with special topics in journalism. May be taken for a maximum of six hours.

JRN 4401 Community Media Management (3)
Discussion of special problems and management techniques of professional media organizations.

JRN 4403 Audio News Practicum (3)
Contact Hours: 6
Supervised experience in gathering, writing and performing audio news broadcasts. *Pre/Corequisite(s): JRN 3360*

JRN 4405 Audio Production Practicum (3)
Contact Hours: 6
Supervised experience using technologies for audio studio production, including audio techniques for both public affairs and musical productions, sound editing and use of automated programming *Pre/Corequisite(s): JRN 3360*

JRN 4410 Advanced Audio Practicum (3)
Contact Hours: 6
Emphasis on individualized work in audio news or production. *Prerequisite(s): JRN 4403 or JRN 4405*

JRN 4413 Television News Practicum (3)
Contact Hours: 6
Supervised experience in gathering, writing and performing for a daily news broadcast. *Prerequisite(s): JRN 3360*

JRN 4415 Television Production Practicum (3)
Contact Hours: 6
Supervised experience in technical television work. Including in-studio and remote camera operation, lighting, editing and directing.

JRN 4420 Advanced Television Practicum (3)
Contact Hours: 6
Emphasis on individualized work in television news or production. *Prerequisite(s): JRN 4413 or JRN 4415*

JRN 4421 Opinion Writing (3)
Writing and editing of opinion across platforms, with extensive practice in writing editorials and opinion columns. *Prerequisite(s): JRN 2201*

JRN 4425 Media Law and Ethics (3)
Study of the rights and restrictions of media professionals with emphasis on the First Amendment, privilege, libel, slander, contempt and privacy *Prerequisite(s): JRN 2201*

JRN 4427 Sports Reporting (3)
Advanced methods, techniques, and writing styles for reporting sports news and information. *Prerequisite(s): JRN 2201*

JRN 4440 Advanced Media Technologies (3)
Practical applications of evolving technologies and digital reporting techniques in journalism and strategic media. *Prerequisite(s): JRN 1100*

JRN 4445 Mobile Journalism Practicum (3)
Supervised experience in mobile journalism reporting, including in-depth fieldwork and producing original content to build student portfolios with evolving technology. Smartphones or computer tablets are required.

JRN 4450 Digital Publishing (3)
Hands-on mastery course in using media practices and tools to communicate in interactive and innovative ways across digital platforms. *Prerequisite(s): JRN 3312*

JRN 4460 Network Sports Production (3)
Supervised experience in television sports production, including in-depth fieldwork with the Troy University Athletics Department and the sports network, ESPN3. Weekend work may be required.

JRN 4489 Internship (5)
Supervised work that can provide practical experience in the field of study.

JRN 4490 **Field Experience (1-7)**
Supervised study in the practical application of issues related to journalism and communication.

JRN 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

JRN 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

JRN 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

JRN 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

JRN 4495 **Communication Seminar (1)**
Study of issues related to the future of communication industries and current ethical discussions. Additionally, students will create a professional portfolio. *Prerequisite(s): At least a Junior Standing*

KINESIOLOGY AND HEALTH PROMOTION

KHP 1101 **Badminton (1)**
Physical education activity course.

KHP 1107 **Swimming (1)**
Physical education activity course.

KHP 1108 **Tennis (1)**
Physical education activity course.

KHP 1109 **Intermediate Swimming (1)**
Physical education activity course.

KHP 1110 **Paddle Tennis (1)**
Physical education activity course.

KHP 1111 **Archery (1)**
Physical education activity course.

KHP 1112 **Advanced Swimming (1)**
Physical education activity course.

KHP 1122 **Water Aerobics (1)**
Physical education activity course.

KHP 1124 **Beginning Yoga (1)**
Course will introduce students to yoga as a different type of exercise. Students will explore the opportunity for yoga to become a lifetime activity in order to promote health and wellness in their daily routines.

KHP 1125 **Beginning Pickle Ball (1)**
Course will introduce students to the game of Pickle Ball. Pickle ball is an indoor or outdoor game that is played on a level court with short-handled paddles and a perforated plastic ball volleyed over a low net by two players or pairs of players. Students will explore the opportunity for pickle ball to become a lifetime activity in order to promote health and wellness in their daily routines.

KHP 1126 **Beginning Ultimate Disc (1)**
This course will introduce students to the game of Ultimate Disc. This is a team sport in which players seek to score points by passing a disc to a team mate over the opposing team's goal line. Students will explore the opportunity for Ultimate Disc to become a lifetime activity in order to promote health and wellness in their daily routines.

KHP 1127 **Beginning Disc Golf (1)**
This course will introduce students to the game of Disc Golf. A game in which a concave plastic disc is thrown into each of a series of metal baskets situated on an outdoor course, the object being to complete the course using the fewest possible throws. Students will explore the opportunity for Disc Golf to become a lifetime activity in order to promote health and wellness in their daily routines.

KHP 1134 **Ballroom Dance (1)**
An introduction to social dancing with an emphasis on American ballroom dances (foxtrot, waltz, swing) and Latin ballroom dances (cha cha, mambo, tango). Equivalent to DAN 1134.

KHP 1139 **Fitness for Life I (1)**
Physical education activity course.

KHP 1141 **Jogging (1)**
Physical education activity course.

KHP 1142 **Weight Training (1)**
Physical education activity course.

KHP 1144 **Step Aerobics (1)**
Physical education activity course.

KHP 1146 **Physical Defense for Women (1)**
Physical education activity course.

KHP 1147 **Beginning Basketball (1)**
This course will introduce students to the game of Basketball. A game played between two teams of five players in which goals are scored by throwing a ball through a netted hoop fixed above each end of the court. Students will explore the opportunity for Basketball to become a lifetime activity in order to promote health and wellness in their daily routines.

KHP 1150 **Introduction to Sports Medicine (1)**
Acquaints students to the various sports medicine careers and the roles each profession can play within the healthcare of the physical active population.

KHP 2200 **Health Concepts (1)**
A study of health concepts that characterizes a process in the life cycle that is typical of every individual.

KHP 2201 **Camping and Outdoor Education (2)**
Camping, leadership and program planning.

KHP 2202 **First Aid and Safety and CPR (2)**
Community first aid and safety instruction and CPRO for the professional following American Red Cross techniques.

KHP 2205 **Intermediate Badminton (1)**
In this course the students will advance past the beginning phase of the game of Badminton. Students will continue to explore the opportunity for Badminton to become a lifetime activity in order to promote health and wellness in their daily routines. *Prerequisite(s): KHP 1101*

KHP 2208 **Intermediate Tennis (1)**
Physical education activity course.

KHP 2210 **Intermediate Archery (1)**
The course will advance past the beginning phase of Archery. Students will continue to explore the opportunity for Archery to become a lifetime activity in order to promote health and wellness in their daily routines. *Prerequisite(s): KHP 1111*

KHP 2211 **Human Nutrition (3)**
Explores the relationship between nutrition and health. Emphasizes the roles of nutrients, their utilization in the human system and their contributions to the health of individuals of all ages. Includes dietary patterns, of various cultural, ethnic and religious groups, nutritional assessments, and food safety. Open to all majors.

KHP 2212 **First Aid and CPRO Recertification (1)**
Community first aid and safety instruction and CPRO for recertification. *Prerequisite(s): Proof of certification in American Red Cross Community First Aid and Safety/CPRO within 1 year of start date of class. Permission of instructor or department chair.*

KHP 2224 **Intermediate Yoga (1)**
This course will advance past the beginning phase of Yoga. Students will continue to explore the opportunity for yoga to become a lifetime activity in order to promote health and wellness in their daily routines.

KHP 2225 **Intermediate Pickle Ball (1)**
In this course students will advance past the beginning phase of the game of Pickle Ball. Students will continue to explore the opportunity for pickle ball to become a lifetime activity in order to promote health and wellness in their daily routines.

KHP 2226 **Intermediate Disc Golf (1)**
In this course students will advance past the beginning phase of the game of Disc Golf. Students will continue to explore the opportunity for Disc Golf to become a lifetime activity in order to promote health and wellness in their daily routines.

KHP 2227 **Intermediate Ultimate Disc (1)**
In this course the students will advance past the beginning phase of the game of Ultimate Disc. Students will continue to explore the opportunity for Ultimate Disc to become a lifetime activity in order to promote health and wellness in their daily routines.

KHP 2239 **Fitness for Life II (1)**
Physical education activity course.

KHP 2240 **Personal and Community Health (3)**
Personal health as it applies to practices, knowledge and behavior.

KHP 2241 **Intermediate Jogging (1)**
Physical education activity course.

KHP 2242 **Intermediate Weight Training (1)**
Physical education activity course.

KHP 2246 **Advanced Physical Defense for Women (1)**
Physical education activity course. *Prerequisite(s): Grade B or better in KHP 1146*

KHP 2247 **Intermediate Basketball (1)**
In this course students will advance past the beginning phase of the game of Basketball. Students will continue to explore the opportunity for Basketball to become a lifetime activity in order to promote health

and wellness in their daily routines. *Prerequisite(s): KHP 1147*

KHP 2250 Foundations of Health Science (1)
A study of the historical, philosophical and theoretical foundations of health education and health promotion, including the current status and projected trends in health education and promotion.

KHP 2251 Instructional and Theoretical Practices in Physical Education (3)
This course will discuss research-based instructional practices utilized in group settings and theoretical practices to support application-based practices in physical education

KHP 2252 Skills and Concepts of Rhythmic Activities (3)
Social, folk and square dancing, including basic rhythmic activities which can be taught in elementary, middle and high schools. Equivalent to DAN 2252. *Prerequisite(s): Permission of instructor*

KHP 2260 Applied Fitness Concepts (2)
Personal conditioning-based course focusing on training principles, modes of exercise, training tools, performance enhancers, measurement concepts and exercise prescription.

KHP 2263 Lifeguard Training (3)
Organization and teaching of the fundamental skills for water safety and the prevention of drowning. *Prerequisite(s): Advanced swimming or permission of instructor*

KHP 2270 Intermediate Military Fitness and Exercise (2)
Students will develop overall cardio-respiratory fitness, muscular endurance and strength; plan and develop an individual physical training program; enhance individual knowledge of fitness and well being; and understand the principles of exercise and components of fitness.

KHP 2274 Theory and Techniques of Coaching Track and Field (2)
This course will teach theory and techniques as it pertains to track and field coaching, purchase and care of equipment, budgeting, ethics, scouting and team conditioning.

KHP 2275 Theory and Techniques of Coaching Golf (2)
This course will teach theory and techniques as it pertains to golf coaching, purchase and care of equipment, budgeting, ethics, and rules.

KHP 2276 Theory and Techniques of Coaching Softball (2)
Development of basic skills necessary for team play, squad organization, rules, scouting procedures, team conditioning, and equipment needs.

KHP 2277 Theory and Techniques of Coaching Football (2)
Offensive and defensive techniques, purchase and care of equipment, budgeting, ethics, rules, scouting and team conditioning.

KHP 2278 Theory and Techniques of Coaching Soccer (2)
The development of basic skills necessary for team play, squad organization, rules, scouting procedures, term conditioning and equipment needs.

KHP 2279 Theory and Techniques of Coaching Volleyball (2)
Offensive and defensive techniques, purchase and care of equipment, budgeting, squad organization, rules, scouting and team conditioning.

KHP 2281 Theory and Techniques of Coaching Baseball (2)
Offensive and defensive techniques, purchase and care of equipment, budgeting, batting and field drills, rules, scouting and team conditioning.

KHP 2282 Theory and Techniques of Coaching Basketball (2)
Offensive and defensive techniques, purchase and care of equipment, budgeting, squad organization, rules, scouting and team conditioning.

KHP 3303 Testing and Statistical Interpretation (3)
Test selection, analyzing test scores and measurement as a technique of evaluation in health education, physical education and exercise science. *Prerequisite(s): MTH 1112*

KHP 3310 Introduction to Food Science (3)
This course provides a basic study of the chemical and biological principles of food and food preparation techniques including food quality, nutrition, safety, processing, meal management, and laws regulating food handling. *Prerequisite(s): None. Open to all majors. Co-requisite(s): KHP L310*

KHP L310 Introduction to Food Science Lab (1)
Experimental and observational techniques in food preparation. *Prerequisite(s): None. Open to all majors. Co-requisite(s): KHP 3310*

KHP 3311 Nutritional Assessment (3)
This course provides a study and application of techniques for assessing dietary, anthropometric, and biochemical indices in normal and selected clinical and community settings. Assessment techniques will be explored in the context of nutrition screening, chronic disease prevention, and intervention effectiveness. *Prerequisite(s): Grade of "C" or better in KHP 2211 or NSG 2204*

KHP 3312 Nutrition Counseling/Education (3)
This course provides foundational skills of communicating nutrition science to individuals, groups, and the public through various formats including oral, written and multi-media. Educational theories, cultural competence and health literacy will be considered while training the students in the use of motivational interviewing, negotiation and counseling skills, and engagement through mass media. *Prerequisite(s): KHP 2211, PSY 2200 or KHP 3350 with a minimum grade of C in all classes*

KHP 3313 Food Service Systems (5)
This course presents the fundamentals of a food service operation to include: food safety and sanitation, culinary math, quantity food preparation, menu

planning and food procurement, inventory control, employee management, and operational procedures. Note that this course requires the student to fulfill some course requirements at a commercial dining facility. *Prerequisite(s): KHP 2211, KHP 3310, KHP L310, BIO 3372 with minimum grade C in all courses*

KHP 3314 Nutrition Biochemistry (3)
This course covers fundamental metabolism of carbohydrates, lipids, and amino acids in human beings. *Prerequisite(s): Grade C or better in KHP 2211, CHM 1142, CHM 1143, CHM 3342*

KHP 3315 Complementary and Alternative Therapies (2)
This course provides the study and application of knowledge of contemporary and alternative therapies (CAT). Federal regulations, cultural beliefs, evidence-based research, perceived benefits, and risks will be explored. *Prerequisite(s): Grade of "C" or better in KHP 2211 or NSG 2204*

KHP 3316 Community Nutrition (3)
This course provides knowledge relevant to public health nutrition and the role of the federal government in establishing nutrition policy in the context of the demographic profile of the United States. Concepts include nutritional epidemiology, public health monitoring through food and nutrition surveys, nutrition programs to reduce health disparities and address diet-related chronic disease, and nutrition issues of special populations. *Prerequisite(s): Grade of "C" or better in KHP 2211 or NSG 2204*

KHP 3317 Advanced Human Nutrition (3)
This course explores a more advanced approach to nutrient function and utilization in humans. Specifically, comparisons between normal metabolic functioning to metabolic characteristics of chronic disease (e.g., diabetes, hyperlipidemia, hypertension, obesity, cancer, etc.) at the cellular level will be covered. Additional topics include nutrition and the microbiome, genetic considerations, and exercise performance. *Prerequisite(s): Grade C or better in KHP 2211, CHM 1142/BIO 1100 or KHP 3314*

KHP 3330 Physical Skills Proficiency (2)
This course covers rules, regulations, terms, origin, development, safety, equipment and performance of skills of specified sport activities including archery, soccer, conditioning and track and field which are related to KHP 4485/KHP 4486.

KHP 3340 Fundamentals of Adapted Physical Education (3)
This course explores programs to serve the needs of the exceptional child in schools. *Prerequisite(s): KHP 3361*

KHP 3341 Recreation Programming (3)
This course provides the foundations of basic programming skills, methods, and techniques necessary to deliver recreational activities within a variety of settings, agencies, and organizations.

KHP 3345 Medical Terminology (1-2)
A course intended to instruct in the proper interpretation of medical and allied health terminology. Topics covered include Arabic, Greek, and Latin prefixes, suffixes, and root works common across medical and health-related fields, and their definitions and rules of usage.

KHP 3350 Psychology of Wellness and Performance (3)
Theory and practical application of psychological factors that impact wellness and performance of individuals and groups.

KHP 3352 Kinesiology and Efficiency of Human Movement (3)
General anatomy, joint and muscle function, and analysis of body movements. *Prerequisite(s): Grade of C or better in KHP 3360 or BIO 3347/BIO L347 and BIO 3348/BIO L348.*

KHP 3354 Ethics in Sport (3)
This course examines ethical matters and issues relating to sport and physical activity.

KHP 3360 Physiological Principles of Body Systems (3)
This course will examine the structure, function and control mechanisms of the following body systems: musculoskeletal, nervous, endocrine, cardiovascular, and respiratory. Metabolism, temperature regulation and fluid, electrolyte and acid base balance will also be discussed. *Prerequisite(s): Grade of "C" or better in BIO 1100/BIO L100 and CHM 1142/CHM L142; or SCI 2233/SCI L233; or PHY 2252/PHY L252.*

KHP 3361 Integrating HPER into the Curriculum (3)
Methods and materials of teaching physical education for grades K-6.

KHP 3363 Lifeguard Training Instructor (3)
Review of all physical skills included in lifeguard training. Course will consist of theory and techniques of organizing and conducting the lifeguard training instructor course. *Prerequisite(s): KHP 2263*

KHP 3368 Water Safety Instructor (WSI) (2)
Organization and teaching swimming and water safety programs. *Prerequisite(s): Swimming Certificate*

KHP 3369 Scuba (2) ***Contact Hours: 4***
Basic techniques of scuba diving. *Prerequisite(s): In addition to lab fee, a student is required to purchase mask, fins, snorkel, weight belt and weights. Students are also required to make two trips for final certification. The student will be responsible for the cost of transportation, food and lodging during the two trips.*

KHP 3370 Occupational Health Sciences (3)
This course will introduce students to various occupations in the health science/health service field. Interdisciplinary information will be discussed to provide knowledge of options for future education and/or career endeavors. Students will explore various health science/health service fields to determine areas of interest. *Prerequisite(s): Must be an Interprofessional Health Science Major*

KHP 3391 Testing & Statistical Interpretation (3)
Test selection, analyzing test scores and measurement as a technique of evaluation in evaluation in health education and physical education and Exercise Science. *Prerequisite(s): MTH 1112*

KHP 3394 Lifting Techniques for Conditioning and Rehabilitative Exercise (1)
Students will gain knowledge for spotting techniques, safety techniques, exercises, periodization and development of strength and conditioning programs on the physically active. *Prerequisite(s): KHP 3352*

KHP 3395 Care and Prevention of Athletic Injury (2)
The study of basic care and prevention, evaluation, management and rehabilitation of athletic injuries. *Prerequisite(s): Grade of C or better in BIO 3347/BIO L347 and BIO 3348/BIO L348 or KHP 3360*

KHP 4400 Sports Officiating and Programs in Intramurals (3)
Focuses on school and community recreation programs, including sports, games and officiating techniques.

KHP 4405 Physical Activity and Disease Prevention (3)
This course will explore the link between physical activity and the major diseases experienced by modern day humans. Evidence for and against the potential benefits of physical activity will be reviewed for conditions such as coronary heart disease, cancer, stroke, diabetes, arthritis, low back pain, asthma, infection, high blood cholesterol, high blood pressure, obesity and stress. *Prerequisite(s): Grade of C or better in BIO 1100/BIO L100 or BIO 3372/BIO L372, and CHM 1142/CHM L142, and KHP 3360 or BIO 3347/BIO L347, and BIO 3348/BIO L348.*

KHP 4410 Motor Development (3)
An analysis of the ways in which children develop movement capabilities. *Prerequisite(s): Junior standing or above*

KHP 4411 Vitamin/Mineral Metabolism (3)
This course examines fat- and water-soluble vitamins and minerals in metabolic pathways of the body based on function or biochemical and physiological activity. The course will cover dietary sources, absorption, storage, metabolism, biochemistry, deficiency and toxicity of individual nutrients in the context of the DRIs. Some emphasis will be given to alterations of micronutrient metabolism in disease, and selected lifecycle conditions. *Prerequisite(s): Grade C or better in KHP 2211, BIO 1101, CHM 1142, KHP 3314*

KHP 4412 Nutrition Genomics (3)
This course explores the impact of diet on gene expression and vice versa. Relationships between genetic variations, phenotypic expression, and nutrient metabolism linked to disease susceptibility will be examined. Potential opportunities for personalized nutrition based on interactions between dietary bioactive components and gene expression for disease prevention will be explored. *Prerequisite(s): KHP 2211, KHP 3317, KHP 3314, or instructor approval*

KHP 4419 Medical Nutrition Therapy (4)
This course examines principles and applications of medical nutrition therapy to specific disease states. Topics include the nutrition care process, nutrition assessment, nutrition support and therapeutic diets. Pathophysiology of selected diseases with nutrition intervention and prevention of various disease states will be covered. Students will learn skills required to plan and implement modified diets for selected medical conditions. *Prerequisite(s): Grade of C or better in KHP 2211, KHP 3311, KHP 4425*

KHP 4425 Pathophysiology (3)
This course explores the differences in normal and disordered physiological processes in human body cells, organs, and organ systems. In addition, this course examines the scientific evidence in support of the beneficial effect of regular physical activity on reduced mortality from all causes including cardiovascular diseases and metabolic disorders *Prerequisite(s): Grade of "C" or better in BIO 3348/BIO L348 and KHP 4474/KHP L474*

KHP 4427 Health and Fitness Education (3)
This course will discuss how to educate various age groups on health and fitness-related components of physical fitness, health behavior, and their application to health practice.

KHP 4429 Applied Kinesiology (3)
This course is a clinically oriented human anatomy course. This course is designed to provide an advanced analysis of human functional anatomy, with primary emphasis being placed on the articular, skeletal, and muscular systems. *Prerequisite(s): Acceptance into the MSAT Program*

KHP 4435 Current Issues in Athletics (3)
This course provides current information, technology and legal issues for coaches and athletics. Students will identify ways to stay current with contemporary developments in athletics and how changes may be applies in the athletic setting. *Prerequisite(s): Nine hours of 3000 level or above KHP courses*

KHP 4442 Health Education (3)
This course provides constructed opportunities for learning involving communication designed to improve health literacy, including improving knowledge and developing skills which are conducive to individual and community health and health-care related fields.

KHP 4446 Secondary Physical Education Resistance Training Practices (3)
This course will enable the physical education major to develop scientific-evidence based knowledge and expertise in the areas of strength training, cardiovascular endurance, flexibility, reaction time, speed and agility in traditional and non-traditional sports. This course will also give students the opportunity to learn how to test and evaluate athletes and to practice performing correct exercise technique. Emphasis will be

placed on implementation and measurement of the above programs in conjunction with prescribed workout regimes for athletic development in youth athletes in a physical education setting. *Prerequisite(s): Grade of "C" or better in KHP 3352, KHP 4474/KHP L474 and must be a Physical Education major*

KHP 4454 Applied Coaching I (3)
This course examines the application of the fundamentals of coaching, concussion in sports, first aid/health/safety, and teaching sports skills. Additionally, this course will culminate in the student achieving level I interscholastic coaching requirements from the national federation of state high school associations (NFHS).

KHP 4458 Lifecycle Nutrition (3)
This course provides an examination of nutrition concerns, requirements and metabolism from a biological, psychosocial, and cultural perspective from conception through late adulthood. The impact of nutrition on preconception, pregnancy, lactation, infancy, adolescence, adulthood, and aging will be studied in the context of normal nutrition and nutrition-related special conditions and interventions. *Prerequisite(s): Grade 'C" or better in KHP 2211 or NSG 2204*

KHP 4459 Sport and Exercise Nutrition (3)
This course examines the special dietary requirements of physically active individuals and athletes in training. The course will cover the basics of nutrition and bioenergetics along with current issues such as fad diets and disordered eating, pre-competition meals, sports drinks, mineral supplements, and other various ergogenic aids. *Prerequisite(s): Grade of C or better in KHP 4474/KHP L474.*

KHP 4460 Principles of Strength and Conditioning (3)
This course will enable the student to develop knowledge and expertise in the areas of strength training, cardiovascular endurance, flexibility, reaction time, speed, and agility in traditional and non-traditional sports. Emphasis will be placed on implementation and measurement of the above programs in conjunction with athletic development. *Prerequisite(s): Grade of C or better in KHP 3360 or BIO 3347/BIO L347 and BIO 3348/BIO L348 and KHP 3352. Co-requisite(s): KHP L460*

KHP L460 Principles of Strength and Conditioning Lab (1)
This lab is designed to develop practical knowledge and expertise in the areas of strength training, cardiovascular endurance, flexibility, reaction time, speed, and agility in traditional and non-traditional sports. Emphasis will be placed on implementation and measurement of the above programs in conjunction with athletic development. *Co-requisite(s): KHP 4460*

KHP 4465 Classroom Management for Physical Educators (3)
This course will explore the issues of organization, curriculum, and classroom management as they relate to the physical education environment. Directed field requirements will be presented and observation hours will be conducted. *Prerequisite(s): Junior Standing or above*

KHP 4466 Physical Education Practicum (3)
Practicum is designed to provide a supervised experience related to instruction in physical education in the elementary and secondary settings. A diverse set of concepts, skills and pedagogical practices pertaining to these three core areas will be emphasized. Students will determine their population's strengths and weaknesses, design a unit of instruction to include those with identified modifications/accommodations, implement the unit, assess student's performance, analyze results and reflect on teaching needs, changes and future practice using theory and research for support. *Prerequisite(s): KHP 4481*

KHP 4467 Applied Coaching II (3)
This course examines the application of bullying/hazing/inappropriate behaviors, strength and conditioning, teaching and modeling behavior, engaging effectively with parents, sportsmanship, Title IX, and social media as it relates to coaching. Additionally, this course will culminate in the student achieving Level II Interscholastic coaching requirements from the national federation of state high school associations (NFHS).

KHP 4472 Internship in Health/Physical Education (9)
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite(s): Admission to TEP. Co-requisite(s): IED 4454*

KHP 4473 Sports Coaching Internship (12)
The Professional Internship Program is the culminating clinical field-based experience for students in the field of coaching. The Professional Internship Program provides the student with the opportunity to assume the role of a coach while receiving supervision from a sport coach and a university supervisor for a period of one full semester. The student will demonstrate skills necessary to operate as a coach. *Prerequisite(s): Completion of all other degree requirements prior to internship.*

KHP 4474 Exercise Physiology (3)
Physiological mechanisms and adaptations of cells, tissues, organs and systems during physical activity. *Prerequisite(s): Grade of C or better in KHP 3360 or BIO 3347/BIO L347 and BIO 3348/BIO L348. Co-requisite(s): KHP L474*

KHP L474 Exercise Physiology Lab (1)
Course will provide experience for applied exercise physiology principles as students are introduced to laboratory and field tests of muscular strength, anaerobic power, maximal oxygen uptake, body

composition and other physiological measurements. *Co-requisite(s): KHP 4474*

KHP 4475 Exercise Testing and Prescription (3)
Course will examine the criteria for evaluation of health status of persons wishing to begin an exercise program, guidelines of establishing current fitness level, and the basic principles of exercise prescription. Levels of certification and criteria by ACSM will also be discussed. *Prerequisite(s): Grade of C or better in KHP 4474/KHP L474.*

KHP 4476 Laboratory Practicum in Exercise Performance (2)
Students will be introduced to some of the measurement techniques routinely used in exercise physiology and will gain practical experience in administration of these tests. Emphasis will be placed on how to avoid measurement errors. *Prerequisite(s): Grade of C or better in KHP 4475*

KHP 4481 Methods and Materials for the P-12 Physical Educator (3)
Teaching methods, selection, organization and use of physical education materials in grades P-12. Topics addressed will include teacher evaluation in the public schools, collaboration with special education teachers, and lesson plan formatting. A professional laboratory experience is included in this course. *Prerequisite(s): Admission to TEP*

KHP 4484 Internship in Interprofessional Health Sciences (IPHS) (3)
A supervised experience in planning, staging and evaluating a formal practicum in the healthcare field or a related field. *Prerequisite(s): Senior standing or permission of instructor.*

KHP 4485 Teaching Individual and Team Sports I (3)
Teaching methods, techniques, and officiating secondary team sports and individual physical fitness activities. *Prerequisite(s): KHP 3330*

KHP 4486 Teaching Secondary Physical Education (3)
Teaching methods, techniques, and officiating secondary team sports and individual physical fitness activities. *Prerequisite(s): KHP 3330*

KHP 4487 Special Topics in Exercise Performance (2)
An intensive study of selected topics in exercise science. Topics to be taught each term TBA. *Prerequisite(s): KHP 4474 or permission of instructor*

KHP 4488 Cardiovascular Physiology (3)
This course will cover the function of the cardiovascular system in health and disease. Topics covered will include anatomy and physiology of the heart and circulatory system, regulation of heart rate, blood pressure, and blood flow, as well as regulation of cardiovascular function during rest and exercise. *Prerequisite(s): Grade of "C" or better in KHP 4474/KHP L474.*

KHP 4490 Internship in Area of Concentration (6)
A supervised experience in planning, staging and evaluating a formal practicum in related field. *Prerequisite(s): KHP 4443, 4499, permission of the department chair*

KHP 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

KHP 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

KHP 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

KHP 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

KHP 4495 Advanced Exercise Physiology (3)
This course will allow students to experience and explore advanced concepts and topics related to exercise physiology. *Prerequisite(s): Grade of C or better in KHP 4474*

KHP 4496 Biomechanics (3)
The study of anatomical, mechanical, and neurophysiological factors influencing human motion. Emphasis is given to the qualitative and quantitative

application of biomechanical principles to analyze human movement. *Prerequisite(s): Grade C or better in KHP 3352. Co-requisite(s): KHP L496*

KHP L496 **Biomechanics Lab (1)**
The measurement and assessment of anatomical, mechanical, and neurophysiological factors influencing human motion. Emphasis is given to the qualitative and quantitative application of bio-mechanical principles to analyze human movement. *Co-requisite(s): Grade of C or better in KHP 4496*

KHP 4497 **Senior Seminar in Exercise Science (1)**
Students will examine trends in the industry, career paths, and discuss current topics in wellness, fitness, sport, nutrition, athletic training, and physical therapy. This course will also address the standards, behaviors, and expectations of the exercise scientist. *Prerequisite(s): Senior standing or permission of instructor*

KHP 4498 **Internship in Exercise Science (3)**
A supervised experience in planning, staging, and evaluating a formal practicum in exercise science or a related field. *Prerequisite(s): Senior standing or permission of instructor*

KOREAN

KOR 1101 **Introductory Korean I (3)**
Introduction to the Korean Language.

KOR 1102 **Introductory Korean II (3)**
Introduction to the Korean Language. *Prerequisite(s): KOR 1101 or permission of instructor*

KOR 2201 **Intermediate Korean I (3)**
Progressive development of basic language skills in Korean. *Prerequisite(s): KOR 1102 or permission of instructor.*

KOR 2202 **Intermediate Korean II (3)**
Progressive development of basic language skills in Korean. *Prerequisite(s): KOR 2201 or permission of instructor*

LANGUAGE AND CULTURE ON LOCATION

LCL 2201 **Language and Culture on Location I (1)**
Contact Hours: 3
The study of selected languages and/or cultures on location.

LCL 2202 **Language and Culture on Location II (1)**
Contact Hours: 3
The study of selected languages and/or cultures on location.

Note: For additional information, see Placement in Academic Courses.

LATIN

Note: For additional information, see Placement in Academic Courses.

LAT 1131 **Introductory Latin I (3)**
Introduction to the Latin language with emphasis on pronunciation, basic vocabulary, fundamentals of grammar, and graded readings.

LAT 1132 **Introductory Latin II (3)**
Continuation of LAT 1131. *Prerequisite(s): LAT 1131 or permission of instructor*

LAT 2231 **Intermediate Latin I (3)**
Continuation of LAT 1131-LAT 1132. *Prerequisite(s): LAT 1132 or permission of instructor*

LAT 2232 **Intermediate Latin II (3)**
Continuation of LAT 2231, culminating in the reading of authentic passages from selected Latin authors. *Prerequisite(s): LAT 2231 or permission of instructor*

LAT 3331 **Readings in Latin Literature (3)**
Readings in a selected author, period, or genre. May be repeated for credit. *Prerequisite(s): LAT 2232 or permission of instructor*

LAW

LAW 2221 **Legal Environment of Business (3)**
This course is an introduction to the fundamental concepts, principles, and rules of law and equity that apply to business activities. This course provides an overview of law in general, the American legal system, federal and state court procedures, effects on law-making by legislative, judicial, and administrative procedures. The course may also include constitutional law, business ethics, contracts, products liability, sales and commercial paper.

LAW 3323 **Entrepreneurial Law (3)**
This course is designed to explore in-depth the type of legal and ethical issues that entrepreneurs, small business owners, and family business owners encounter in the marketplace. *Prerequisite(s): Lower-level Core*

LAW 4420 **Administrative Law (3)**
Administrative law is the law relating to administrative agencies. An overview of the legal environment of public administration. The focus is on the powers and procedures of administrative agencies including administrative discretion, rule-making, investigations, prosecuting, negotiating and settlement based on Constitutional law, statutory law, common law, and agency-made law and the liability of governments and their officers. *Prerequisite(s): LAW 2221*

LAW 4425 **Investigation and Evidence (3)**
An examination of theories and practices of the investigation process in the criminal justice system. An analysis of information and application of operational techniques relating to crime scenes, forensic sciences, interviews, and interrogations. A study of

issues concerning rules of evidence, trial testimony, and other constitutional processes. *Prerequisite(s): LAW 2221*

LAW 4465 Special Topics in Law (3)
This course examines a selected legal topic of interest that is not covered in other course offerings. The topic for the semester will be indicated in advance. Students may repeat the course for credit so long as the selected topics are different. Maximum credit of six hours. *Note: This course may not be substituted for any required course.*

LAW 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

LAW 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

LAW 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note**: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

LAW 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

LEADERSHIP

LDR 1100 Introduction to Leadership (3)
An introduction to leadership focusing on exemplary leaders and the practice of recognized successful leadership. Topics include exploration traits, achievement of leadership skills and the role of ethics in leadership practice. Students will assess their personal leadership performance and potential.

LDR 2200 Tools for Leaders (3)
This course helps developing leaders use tools essential to effective leadership including briefing, writing, delegation, media relations, meeting management and group dynamics skills. *Prerequisite(s): LDR 1100*

LDR 2210 Leadership and Interpersonal Skills (3)
This course will focus on analyzing and applying the theories and research regarding the interpersonal skills required for leaders. Emphasis will also be placed on enhancing and developing interpersonal leadership skills in each student.

LDR 2220 Contemporary Issues in Leadership (3)
Through an understanding and analysis of culture and current issues, this course will help each student explore the capabilities and leadership individuals bring to organizations. Through an application of models, styles, and theory, students will develop better self-awareness and understand the unique capabilities needed in leadership positions.

LDR 2221 Case Studies in Leadership I (1)
Case Study/Studies of a specific person or persons who have demonstrated leadership attributes that can be applied to leadership development today. Permission of Instructor required.

LDR 2222 Case Studies in Leadership II (1)
Case Study/Studies of a specific person or persons who have demonstrated leadership attributes that can be applied to leadership development today. Permission of Instructor required.

LDR 2223 Case Studies in Leadership III (1)
Case Study/Studies of a specific person or persons who have demonstrated leadership attributes that can be applied to leadership development today. Permission of Instructor required.

LDR 3300 Leadership Theory (3)
This course helps students understand and apply what writers, theorists and leaders tell us about how to lead effectively in a rapidly changing world. The course also exposes students to what leaders are reading. Experienced leaders will provide guest instruction. *Prerequisite(s): LDR 2200*

LDR 3320 Great Leaders (3)
We significantly increase our understanding of leadership if we view leadership as practiced in the context of the world around us. An excellent way to do this is to evaluate the lives of those who have been recognized as great leaders in many different eras, fields, and environments. The issues they faced and

how they led provide wonderful insight on how to lead. We will analyze their successes and their failures and learn from both. We will evaluate the best of leadership practices by studying the lives of great leaders throughout history. *Prerequisite(s): LDR 3300*

LDR 4400 Leadership Seminar (3)
A capstone course that includes principles, practices and presentations by experienced leaders from the public and private sectors. This course helps developing leaders synthesize knowledge and prepare for future leadership challenges. *Prerequisite(s): Leadership minor or enrollment in the University Honors Program or permission of instructor*

LDR 4402 Leadership Seminar Field Experience (2)
This course includes field trips to visit CEOs, senior state government officials and military leaders, as well as business and dinner etiquette training and one-on-one mentoring by campus faculty and administrative leaders. This course is open to a limited number of developing leaders who have been active in campus and/or community activities. *Prerequisite(s): Permission of instructor. Co-requisite(s): LDR 4400*

LDR 4444 Leadership Internship (3-6)
Supervised internship in an office or location approved by the director of the Institute for Leadership Development, resulting in deliverables agreed upon by the director and intern. **Note:** may be repeated for no more than 6 total hours *Prerequisite(s): Junior or senior status, and permission of leadership adviser. Students will submit a written request to the director at least two weeks in advance of the term in which study is to be undertaken.*

LDR 4450 Leadership Service Learning (1-6)
Supervised service learning leadership on a project with an agency or aligned with a service organization as approved by the director of the Institute for Leadership Development. **Note:** may be repeated for no more than 6 total hours *Prerequisite(s): Junior or senior status and permission of leadership advisor. Students will submit a written request to the director at least two weeks in advance of the term in which study is to be undertaken.*

LDR 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** Note: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

LDR 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

LEGAL STUDIES

LGL 2200 Introduction to Legal Studies (3)
This course provides an introduction to the structure and processes of the American legal system as well as study of the development and patterns of growth of the legal profession (including, but not limited to the responsibilities, requirements and benefits for attorneys, judges, prosecutors, jury analyst, specialized testimony experts, forensic investigators and paralegals). Focus is placed on the examination of the central issues and processes of the entire legal system and how individuals and "workgroups" cooperatively organize and influence the American legal system. This course will satisfy the prerequisite of CJ 1101 for CJ 4442 and CJ 4447 for Legal Studies minors and Non-Criminal Justice Majors

LGL 3300 Legal Research and Writing (3)
This course will provide a comprehensive working knowledge and understanding of research materials and research tools. Key competencies will include the use of both manual and automated forms of legal references, understanding and distinguishing sources of law, legal research skills and the analysis of legal research problems. *Prerequisite(s): ENG 1101*

LGL 4400 Seminar in Legal Studies (3)
The course will include an overview of the legal assisting profession, the duties and ethical responsibilities of the legal professionals including the attorney's code of conduct. It will examine law office practices and procedures, which includes case assignment, document handling and filing, time keeping, billing and law office communication. Furthermore, this course provides the facts and principles that form the basis of law related to Criminal Prosecution and Defense, Bankruptcy, Business Organizations, Litigation, Real Estate, and Estate Planning and Probate. Offered at Dauphin Island Sea Lab (DISL) only Courses are offered during the summer semester only. Because course offerings change, check current DISL summer bulletin for specific course offerings and descriptions.

MARINE BIOLOGY

Offered at Dauphin Island Sea Lab (DISL) only
Courses are offered during the summer semester only. Because course offerings change, check current DISL summer bulletin for specific course offerings and descriptions.

MB 4402 Marine Invertebrate Zoology (4)
A study of the natural history, systematics, and morphology of marine invertebrates from a variety of habitats in the Gulf of Mexico. Participation in

extended field trips is a required part of the course. *Prerequisite(s): BIO 1101/BIO L101, BIO 2229/BIO L229, CHM 1143/CHM L143.*

MB 4403 Marine Vertebrate Zoology (4)
Biology of marine vertebrates emphasizing systematics, behavior, physiology, and ecology of local forms. *Prerequisite(s): BIO 1101/BIO L101, BIO 2229/BIO L229, CHM 1143/CHM L143.*

MB 4404 Marine Botany (4)
A general survey of algae and vascular plants associated with the marine and estuarine environment. *Prerequisite(s): BIO 1101/BIO L101, BIO 2229/BIO L229, CHM 1143/CHM L143.*

MB 4410 Introduction to Oceanography (4)
A general introduction to the physics, chemistry, geology, and biology of the oceans. *Prerequisite(s): BIO 1101/BIO L101, BIO 2229/BIO L229, CHM 1143/CHM L143.*

MB 4419 Marine Aquaculture (2)
Techniques in live animal culture with an emphasis on basic principles that can be applied to the culture of any organism for research, display, or commercial profit. *Prerequisite(s): BIO 1101/BIO L101, BIO 2229/BIO L229, CHM 1143/CHM L143.*

MB 4423 Marine Ecology (4)
Lecture and laboratory studies of bioenergetics, community structure, population dynamics, predation, competition, and speciation in marine ecosystem. *Prerequisite(s): BIO 1101/BIO L101, BIO 2229/BIO L229, CHM 1143/CHM L143.*

MB 4427 Ecology of the Florida Everglades (2)
This course examines the natural history and ecology of one of the world's rarest and most endangered wilderness areas. The Everglades is the only area of our planet to be designated as a National Park, an International Biosphere Reserve, and a World Heritage Park. This two-week course will consist of a week of intensive lectures ad discussions focusing on the history, geology, hydrology, and biota of this system, and then a week of intense field time to examine the Everglades and associated systems. *Prerequisite(s): CHM 1143/CHM L143, BIO 2229/BIO L229*

MB 4428 Shark and Ray Biology (2)
An introduction to the biology of sharks and rays, with special emphasis on regional shark fauna and field techniques. *Prerequisite(s): BIO 1101/BIO L101, BIO 2229/BIO L229, CHM 1143/CHM L143.*

MB 4430 Dolphins and Whales (2)
Lectures, audiovisual presentations, and practical exercises to guide students to further study of cetaceans. *Prerequisite(s): BIO 1101/BIO L101, BIO 2229/BIO L229, CHM 1143/CHM L143.*

MB 4432 Biology and Conservation of Marine Turtles (2)
An overview of the biology and conservation of marine turtles, including identification, distribution, nesting behavior, migratory behavior, and feeding ecology. *Prerequisite(s): BIO 1101/BIO L101, BIO 2229/BIO L229, CHM 1143/CHM L143.*

MB 4438 Coastal Wetlands Ecology (3)
This course will focus on coastal and near shore wetland areas, with an emphasis on the biogeochemical processes that occur within. *Prerequisite(s): BIO 1101/BIO L101, BIO 2229/BIO L229, CHM 1143/CHM L143.*

MB 4451 Marine Technical Methods (2)
This course will provide an introduction to different methods of sensing the ocean, including building and testing simple sensors, e.g., temperature and light, using Arduino microcontrollers and software, use of instruments to collect high-resolution data, and some background on how technology has led to key advances in marine science. The course will be primarily project-based, with students working together to build instruments, learn basic programming skills to control sensors, and going in the field to test instruments and collect environmental data. *Prerequisite(s): CHM 1143/CHM L143, BIO 2229/BIO L229*

MB 4460 Introduction to Neurobiology (4)
The study of the structure, development, physiology, and pharmacology of the nervous systems and sense organs. *Prerequisite(s): Permission of instructor*

MB 4461 Environmental Application of Geographic Information Systems (2)
This course consists of learning applied mapping and analysis with GIS and will leverage other geospatial techniques including remote sensing, geo-visualization, and spatial analysis with particular emphasis on environmental application. *Prerequisite(s): CHM 1143/CHM L143, BIO 2229/BIO L229*

MB 4470 Marine Restoration Ecology (2)
The course provides an overview of the scientific and technical principles of marine habitat restoration. The students will discuss the role of key ecological concepts in restoration and the role of restoration in science and society. Students will learn how to design restoration projects and monitoring plans. *Prerequisite(s): CHM 1142/CHM L142, BIO 2229/BIO L229.*

MANAGEMENT

MGT 3300 Principles of Management (3)
An introduction to management functions, principles, and techniques. The course includes a discussion of planning, organizing, influencing through leadership, and control within the organization.

MGT 3301 Honors Principles of Management (3)
An introduction to management functions, principles, and techniques. The course includes a discussion of planning, organizing, influencing through leadership, and control within the organization for the superior student. *Prerequisite(s): SCOB Honors students*

MGT 3380 Principles of Supervision (3)
An introduction to supervision principles, best practices and concepts. Topics discussed include delegation, planning and goal setting, employee training and motivating team coaching, communicating, and

appraising. *Prerequisite(s): Lower-level Core, MGT 3300*

MGT 4430 Purchasing Management (3)
This course presents an introduction to core principles and procurement activities within the broader context of an organization's supply chain. Topics focus on the development of effective purchasing practices, quality methods, and supplier relationships. *Prerequisite(s): Lower-level Core, MGT 3300, MKT 3300*

MGT 4440 Developing and Leading Effective Teams (3)
An in-depth study of team development and team leadership in the work setting focused to better understand team functions under varying task conditions. Special emphasis will be placed on the leadership of work teams in both face-to-face and virtual settings for effective performance and member satisfaction. This course deals extensively with maintenance and task behaviors of team members. Prerequisite(s): Lower-level Core, MGT 3300

MGT 4450 Corporate Social Responsibility and Sustainability (3)
This course will enable students to understand the rationale behind corporate social responsibility (CSR) and sustainability. It will take students through an evaluation of risks and potential impacts in decision making, enabling them to recognize the links between the success of an organization and the well-being of a community/society along with introducing methods and standards of integrating CSR throughout an organization. *Prerequisite(s): Lower-level Core, MGT 3300*

MGT 4460 Introduction to Project Management (3)
This course provides an introduction to essential principles governing effective project management and an application of tools and techniques that can be applied to defining projects, establishing task structure, planning and budgeting, managing of resources to achieve the project objectives, and post project evaluation. *Prerequisite(s): Lower-level Core, MGT 3300, QM 3345*

MGT 4471 Leadership and Change (3)
A study of leadership and change concepts applied to foundational concepts of leadership, motivational theories, and organizational change theories. The primary focus of the course will be directed toward the application of these theories, practices, and concepts in an organizational setting, designed to enable an achievement of organizational goals and objectives, while also undertaking application oriented activities that encourage the development of critical thinking skills about the concepts. Emphasis will be placed on key similarities and differences between US organizations and international organizations. *Prerequisite(s): Lower-level Core, MGT 3300*

MGT 4472 Organizational Behavior (3)
A study of individual and group behavior in business organizations. *Prerequisite(s): Lower-level Core, MGT 3300*

MGT 4475 Entrepreneurial Management (3)
This course examines how startups, small companies & family enterprises reach the marketplace and sustain their businesses. The course centers around the development of the business plan, focusing on creativity and innovation. Emphasizes entrepreneurial opportunities & new venture processes both domestically and internationally. *Prerequisite(s): Lower-level core, MGT 3300*

MGT 4478 Managing in a Global Environment (Capstone) (3)
This course is a survey and analysis of topics important to successfully managing multinational business operations. Included in the course are considerations of environmental analysis, modes of entry, planning and cross-cultural issues in directing, decision-making, organizing and staffing operations in multinational enterprises. Capstone for the Global Business Core. *Prerequisite(s): Lower-level Core, ECO 4451, HRM 3375, MGT 4471, and MKT 4468*

MGT 4479 Management Seminar (Capstone) (3)
This course is a study of current management issues which examines the application of traditional management theory in the context of current management problems. This is the capstone course for the Management Concentration. *Prerequisite(s): Lower-level Core, MGT 4440, MGT 4450, and MGT 4472*

MGT 4486 Honors Leadership and Change (3)
A study of leadership and change concepts applied to foundational concepts of leadership, motivational theories, and organizational change theories for the superior student. The primary focus of the course will be directed toward the application of these theories, practices, and concepts in an organizational setting, designed to enable an achievement of organizational goals and objectives, while also undertaking application oriented activities that encourage the development of critical thinking skills about the concepts. Emphasis will be placed on key similarities and difference between US organizations and international organizations. *Prerequisite(s): Lower-level core, MGT 3301, SCOB Honors student, and permission of the Associate Dean*

MGT 4487 Honors Managing in a Global Environment (3)
This course is a survey and analysis of topics important to successfully managing multinational business operations for the superior student. Included in the course are considerations of environmental analysis, modes of entry, planning and cross-cultural issues in directing, decision-making, organizing and staffing operations in multinational enterprises. Capstone for the Global Business Core. *Prerequisite(s): Lower-level core, MGT 3301, SCOB Honors Student, and permission of the Associate Dean*

MGT 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to

3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

MGT 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

MGT 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

MGT 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

MGT 4496 Special Topics in Management (3)
This course examines a selected management topic of interest that is not covered in depth in other course offerings. Prior topic approval by the Associate Dean of the Sorrell College of Business is required. *Prerequisite(s): Lower-level Core, MGT 3300*

MGT 4499 Management Internship (3)
The Management Internship provides students with the opportunity to gain real-world work experience in the field of management. Students gain practical, professional experience in conjunction with academic development under the supervision of both a faculty member and a supervisor within an organization. A written request must be submitted to the department chair at least two weeks in advance of the semester or term in which the study is to be undertaken. **Note:** This course may not be substituted for any required course. Students may earn no more than 6 hours of internship credit. *Prerequisite(s): Junior or senior standing, department chair approval*

MARKETING

MKT 3300 Principles of Marketing (3)
This course examines principles and practices for creating, delivering, capturing, and communicating value to customers. Topics focus on the marketing function of an organization; environmental factors influencing marketing decisions; and, the development of marketing strategies to deliver long-term customer value.

MKT 3301 Honors Principles of Marketing (3)
This course examines principles and practices for creating, delivering, capturing, and communicating value to customers. Topics focus on the marketing function of an organization; environmental factors influencing marketing decisions; and, the development of marketing strategies to deliver long-term customer value for the superior student. *Prerequisite(s): SCOB Honors Student, and permission of the Associate Dean*

MKT 3362 Promotion Management (3)
This course examines the concepts and techniques associated with developing an effective marketing communications strategy. Topics focus on the planning, creation, utilization, and placement of promotional programs designed to support marketing strategy. *Prerequisite(s): MKT 3300*

MKT 3364 Product and Service Innovation (3)
This course examines the role of marketing in innovation and its critical contribution to marketplace success. Topics focus on the principles used to identify marketing opportunities and the creative thinking needed to respond to them with new ideas, products and services. *Prerequisite(s): MKT 3300*

MKT 3367 Digital Marketing (3)
This course provides a broad overview of the digital marketing strategies and techniques required for successful marketing efforts in a digital environment. Students will gain a fundamental understanding of the digital marketing core principles. Topics ranging from web page design, analytics, email marketing, social media marketing, and mobile marketing.

MKT 4461 Professional Selling (3)
This course examines personal selling as a professional marketing activity. It centers on fostering relationships by developing interpersonal communication skills, understanding buyer motivations, and adding value to clients through long-term relationships. Topics focus on the economic, psychological, and social aspects of professional selling; direct selling techniques, and the sales process with an emphasis on building customer relationships. *Prerequisite(s): MKT 3300*

MKT 4462 Consumer Behavior (3)
This course examines the consumer as a decision maker. Topics focus on the internal and external influences underlying purchase decisions and their

implications for marketing strategy. Primary emphasis is on final consumers with a secondary emphasis on organizational buyers. *Prerequisite(s): MKT 3300*

MKT 4463 Retailing (3)
This course examines the principles and practices of retail management. Topics focus on retail format; store location and layout; merchandise planning; inventory management; atmospherics; and customer service. *Prerequisite(s): MKT 3300*

MKT 4464 Marketing Research (3)
This course examines the foundational role of research to the formulation of sound strategic marketing decisions. Topics focus on problem definition, research design, data acquisition, analysis, and interpretation. The systematic approach of harnessing data/information to drive effective marketing decision-making is also considered. *Prerequisite(s): MKT 3300*

MKT 4465 Supply Chain Management (3)
This course examines the key concepts and principles associated with the flow of materials and information from suppliers to customers for both manufacturing and service firms. Topics focus on the procurement, operations, transportation, and integration activities associated with a firm's distribution system. *Prerequisite(s): MKT 3300*

MKT 4468 Global Marketing (3)
This course examines the impact the global environment has on marketing strategy. Topics focus on the cultural, political, legal, and economic differences among nations as they affect marketing opportunities and operations. *Prerequisite(s): Lower-level Core, MKT 3300*

MKT 4469 Marketing Management (3)
This course is the "capstone" marketing course. It examines the managerial aspects of marketing which involve the integration of marketing research, customer analysis and marketing strategy to provide long-term value to customers. Topics focus on the application of marketing concepts, procedures, and practices to solve marketing problems and develop strategic marketing plans. *Prerequisite(s): 15 semester hours in marketing courses beyond MKT 3300*

MKT 4470 Honors Global Marketing (3)
This course examined the impact the global environment has on marketing strategy for the superior student. Topics focus on the cultural, political, legal, and economic differences among nations as they affect marketing opportunities and operations. *Prerequisite(s): Lower-level core, MKT 3301, SCOB Honors Student, and permission of the Associate Dean*

MKT 4472 Sales Force Management (3)
This course examines the key concepts used to formulate, implement, and evaluate a sales program. Topics focus on forecasting sales and sales management responsibilities including recruitment, training, leadership, organization, motivation and retention of the sales force. *Prerequisite(s): MKT 3300 and MGT 3300*

MKT 4480 Special Topics in Marketing (3)
This course examines a selected marketing topic of interest that is not covered in other course offerings. The topic for the semester will be indicated in advance. Students may repeat the course for credit so long as the selected topics are different. Maximum credit of six hours. **Note:** This course may not be substituted for any required course. *Prerequisite(s): MKT 3300*

MKT 4481 Special Topics in Marketing (3)
This course examines a selected marketing topic of interest that is not covered in other course offerings. The topic for the semester will be indicated in advance. Students may repeat the course for credit so long as the selected topics are different. Maximum credit of six hours. **Note:** This course may not be substituted for any required *course. Prerequisite(s): MKT 3300*

MKT 4491 Guided Independent Research (3)
This course involves directed research on marketing topics of mutual interest to a student and faculty member. Maximum credit of six hours. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may not be substituted for any required course. This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): MKT 3300, Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

MKT 4492 Guided Independent Research (3)
This course involves directed research on marketing topics of mutual interest to a student and faculty member. Maximum credit of six hours. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may not be substituted for any required course. This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): MKT 3300, Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

MKT 4493 Guided Independent Study (3)
This course involves directed project work of mutual interest to a student and faculty member. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. Maximum credit of six hours. *Prerequisite(s): MKT 3300; Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

MKT 4494 **Guided Independent Study (3)**
This course involves directed project work of mutual interest to a student and faculty member. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may not be substituted for any required course. Maximum credit of 6 hours. *Prerequisite(s): MKT 3300; Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

MKT 4499 **Marketing Internship (3)**
This course involves the practical application of marketing principles and theories in an actual business setting. Students gain practical, professional experience in conjunction with academic development under the supervision of both a faculty member and a manager within an organization. **Note:** This course may not be substituted for any required course. *Prerequisite(s): Six semester hours in marketing courses beyond MKT 3300 and permission of instructor (Offered in hospital internship only)*

MEDICAL

(Offered in hospital internship only)

MLS 4400 **Clinical Urinalysis (1)**
The imparting of skills for performing and interpreting routine urinalyses as well as special urinalysis procedures.

MLS 4401 **Clinical Urinalysis Lab (1)**
This lab section includes specimen handling procedure manual, audio-visual, quality control, record keeping, and reporting system.

MLS 4402 **Clinical Microbiology (4)**
This lecture course covers areas of bacteriology, mycology, and virology.

MLS 4403 **Clinical Microbiology Lab (2)**
This lab teaches identification methods, isolation methods, and current clinical techniques for working with bacteria, molds, viral, and rickettsia organisms.

MLS 4404 **Clinical Parasitology (2)**
Discussions concerning proper collection and handling of specimens for detection of parasites, techniques used to detect parasites and morphological features, and life cycles of important organisms.

MLS 4405 **Clinical Parasitology Lab (1)**
Use of the laboratory procedures and techniques for isolation and identification of parasitic organisms.

MLS 4406 **Clinical Hematology (4)**
Detailed studies of blood, including cell types, functions, number of cells, clotting mechanisms, coagulation disorders, platelet disorders, and other pertinent topics.

MLS 4407 **Clinical Hematology Lab (2)**
Special studies and training involving cell counts, hemoglobin and hematocrit determinations, and other special hematology procedures.

MLS 4408 **Immunohematology (3)**
This block involves blood banking, studies of the ABO blood group system, the Rh system, blood typing, antibody studies, and effects of transfusion.

MLS 4409 **Immunohematology Lab (1)**
Blood banking studies and techniques. Clinical applications of procedures under direct supervision.

MLS 4410 **Clinical Serology (2)**
Lectures emphasizing the principles and interpretations of immunological procedures. The study of the immune systems of the body. Antigen-antibody studies and techniques.

MLS 4411 **Clinical Serology Lab (1)**
In this lab, the student becomes proficient in running and interpreting serology (immunology) tests.

MLS 4412 **Clinical Chemistry (6)**
This lecture course focuses on the principles and interpretations of biochemical analytical methods, clinical calculations, and quality control.

MLS 4413 **Clinical Chemistry Lab (4)**
This lab rotation provides the practical experience of running biochemical tests and interpreting their results. Some prior experience with instrumentation is required in order to understand how to use and care for clinical instruments.

MILITARY SCIENCE AND LEADERSHIP

MSL 1101 **Foundations of Officership (1)**
This course features an introduction to life in the U.S. Army. Topics include leadership, the unique duties and responsibilities of officers, the organization and role of the Army, basic life skills pertaining to fitness and communication, and an analysis of Army values and expected ethical behavior. *Co-requisite(s): MS 1104*

MSL 1102 **Basic Leadership (1)**
This course provides students with a basic knowledge of common military skills and presents the fundamental leadership concepts and doctrine of the U.S. Army. Topics include the practice of basic skills that underlie effective problem solving, application of active listening and feedback skills, examination of factors that influence leader and group effectiveness, and an examination of the officer experience. *Co-requisite(s): MS 1105*

MSL 1104 **Military Basic Leadership Lab I-A (1)**
Leadership lab is required for Army ROTC students. The student will receive training in drill and ceremonies, field craft, individual movement techniques, squad tactics, map reading and land

navigation, first aid, and use and maintenance of the M16 Rifle.

MSL 1105 **Military Basic Leadership Lab I-B (1)**
Leadership lab is required for Army ROTC students. The student will receive training in drill and ceremonies, field craft, individual movement techniques, squad tactics, map reading and land navigation, first aid, and use and maintenance of the M16 Rifle.

MSL 2201 **Individual Leadership Studies (2)**
This course develops the knowledge of self, self-confidence and individual leadership skills as well as develops problem solving and critical thinking skills and the application of communication, feedback, and conflict resolution. Emphasized areas include personal development, goal setting, communication, problem solving and decision-making, leadership, teamwork, the group. *Co-requisite(s): MSL 2204*

MSL 2202 **Leadership and Teamwork (2)**
This course focuses on self-development guided by knowledge of self and group processes by focusing on challenging current beliefs, knowledge and skills. *Co-requisite(s): MSL 2205*

MSL 2204 **Military Basic Leadership Lab II-A (1)**
Leadership lab is required for Army ROTC students. The students will receive training in drill, physical training, rappelling, water survival, tactics, marksmanship, night operations, and land navigation.

MSL 2205 **Military Basic Leadership Lab II-B (1)**
Leadership lab is required for Army ROTC students. The students will receive training in drill, physical training, rappelling, water survival, tactics, marksmanship, night operations, and land navigation.

MSL 3301 **Leadership and Problem Solving (3)**
This course examines the basic skills that underlie effective problem solving by analyzing the role officers played in the transition of the Army from Vietnam to the 21st Century, analysis of military missions and the planning of military operations, the features and execution of the Leadership Development Program, and the execution of squad battle drills. *Prerequisite(s): Permission of the Professor of Military Science for non-contracted cadets. Co-requisite(s): MSL 3304*

MSL 3302 **Leadership and Ethics (3)**
This course probes leader responsibilities that foster an ethical command climate by developing cadet leadership competencies and applying principles and techniques of effective written and oral communication. Students are prepared for success at the ROTC National Advanced Leadership Course. *Prerequisite(s): Permission of the Professor of Military Science for non-contracted cadets. Co-requisite(s): MSL 3305*

MSL 3304 **Military Advanced Leadership Lab III-A (1)**
Leadership Lab is required for all Army ROTC students. The student will receive training in troop-leading procedures, mission planning, squad tactics, land navigation, individual movement techniques, water survival and rappelling.

MSL 3305 **Military Advanced Leadership Lab III-B (1)**
Leadership Lab is required for all Army ROTC students. The student will receive training in troop-leading procedures, mission planning, squad tactics, land navigation, individual movement techniques, water survival and rappelling.

MSL 4401 **Leadership and Management (3)**
This course builds on the experience gained at the National Advanced Leadership Course in order to solve organizational and staff problems a discusses staff organization and functions, analysis of counseling responsibilities and methods, the principles of subordinate motivation and organizational change. Students will apply leadership and problem solving principles to a case study and or simulation. *Prerequisite(s): Permission of the Professor of Military Science for non-contracted cadets. Co-requisite(s): MSL 4404*

MSL 4402 **Officership (3)**
This course is designed to explore topics relevant to Second Lieutenants entering the U.S. Army and focuses on the legal aspects of decision making leadership, analyzing Army organization from the tactical to the strategic level, assessing administrative and logistical functions performance of platoon leader actions, and an examination of leader responsibilities that foster an ethical command climate. *Prerequisite(s): Permission of the Professor of Military Science for non-contracted cadets. Co-requisite(s): MSL 4405*

MSL 4404 **Military Advanced Leadership Lab IV-A (1)**
Leadership lab is required for all Army ROTC students. The student will receive training in troop-leading procedures, mission planning, squad tactics, land navigation, individual movement techniques, water survival and rappelling.

MSL 4405 **Military Advanced Leadership Lab IV-B (1)**
Leadership lab is required for all Army ROTC students. The student will receive training in troop-leading procedures, mission planning, squad tactics, land navigation, individual movement techniques, water survival and rappelling.

MSL 4497 **Senior Seminar in Military Science (1)**
Contact Hours: 3
This is a capstone course for Senior Army ROTC Contracted Cadets designed to: 1.) help senior cadets integrate the knowledge gained from their other required Military Science Leadership courses; and 2.) assist them in developing analytical thinking skills through practical use of these skills in simulated leadership roles among their peers using a seminar approach. **Note:** This MSL 4497 Senior Seminar in Military Science course is repeatable up to 3 times and receive 1 credit hour per course per semester. This course may not be substituted for

any other required Military Science courses. *Prerequisite(s): Completion of all other advanced level Military Science Leadership courses in the Military Science Leadership minor or Army ROTC program and will require permission of the Professor of Military Science to enroll.*

MATHEMATICS

MTH 0096 Pre-Algebra (3)
Developmental/remedial instruction including operations with whole numbers, decimals, and fractions. Ratio, percent and equation solving will be emphasized. ***Note****: This course is for institutional credit only and will not be used in meeting degree requirements. This course will not substitute for any general studies requirement.*

MTH 1100 Fundamentals of Algebra (3)
Developmental/remedial instruction including integer and rational arithmetic, linear equations, inequalities, integer exponents, polynomials and factoring, rational expression. ***Note****: This course is for institutional credit only and will not be used in meeting degree requirements. This course will not substitute for any general studies requirement. Prerequisite(s): Placement or a grade of C or better in MTH 0096.*

MTH 1104 Enhanced Intermediate Algebra (4)
Topics include real and complex numbers, polynomials and factoring, rational exponents, roots and radicals, linear equations and inequalities, quadratic equations, and graphing. Timely instruction will be given on prerequisite concepts and skills needed for these topics. ***Note:*** *This course is for institutional credit only and will not be used in meeting degree requirements. This course will not substitute for any general studies requirement.*

MTH 1105 Intermediate Algebra (3)
Developmental/remedial instruction including real and complex numbers; polynomials and factoring; rational exponents; roots and radicals; linear equations and inequalities; quadratic equations; and graphing. **Note:** This course is for institutional credit only and will not be used in meeting degree requirements. This course will not substitute for any general studies requirement. *Prerequisite(s): Placement or a grade of C or better in MTH 1100*

MTH 1108 Enhanced Pre-Calculus Algebra (4)
Topics include the algebra of functions, including polynomial, rational, exponential, and logarithmic functions. The course also contains systems of equations and inequalities, linear and quadratic equations and inequalities, graphs of polynomials, and the binomial theorem. Timely instruction will be given on prerequisite concepts and skills needed for these topics. **Note:** Credit will not count toward a major or minor in mathematics. *Prerequisite(s): Placement or appropriate score on mathematics placement test*

MTH 1110 Finite Mathematics (3)
Topics include a survey of logic, sets, counting, permutations, combinations, basic probability, an introduction to statistics, and matrices and their applications to graph theory. **Note:** Credit will not count toward a major or minor in mathematics. *Prerequisite(s): Appropriate score on mathematics placement test, advanced placement, or a grade of C or better in MTH 1104 or MTH 1105*

MTH 1112 Pre-Calculus Algebra (3)
Topics include the algebra of functions, including polynomial, rational, exponential, and logarithmic functions. The course also contains systems of equations and inequalities, linear and quadratic equations and inequalities, graphs of polynomials, and the binomial theorem. **Note**: Credit will not count toward a major or minor in mathematics. *Prerequisite(s): Appropriate score on mathematics placement test, advanced placement, or a grade of C or better in MTH 1104 or MTH 1105.*

MTH 1114 Pre-Calculus Trigonometry (3)
This course covers trigonometric functions including definitions, identities, and trigonometric equations, applications as well as properties and graphs of trigonometric functions and their inverses. Also included are the law of sines, the law of cosines, polar coordinates, vectors, and conic sections. **Note:** Credit will not count toward a major or minor in mathematics. *Prerequisite(s): MTH 1108 or MTH 1112 with a grade of C or better or advanced placement*

MTH 1116 Pre-Calculus Algebra and Trigonometry (4)
The course covers the algebra functions, graphs of functions, and systems of linear equations. It also includes the study of trigonometric and inverse trigonometric functions, and polar coordinates. **Note:** Credit will not count toward a major or minor in mathematics. *Prerequisite(s): MTH 1105 with a grade of C or better, appropriate score on the mathematics placement test, or advanced placement.*

MTH 1125 Calculus I (4)
Topics include limits of functions, derivatives of algebraic, trigonometric, exponential and logarithmic functions and their inverses and the definite integral and its application to area problems. Applications of the derivative including maximum and minimum problems, and curve sketching using calculus. *Prerequisite(s): A grade of C or better in MTH 1114, MTH 1116 or advanced placement*

MTH 1126 Calculus II (4)
Applications of integration (such as volume, arc length, work, and average value), techniques of integration, indeterminate forms, infinite series, polar coordinates, and parametric equations. *Prerequisite(s): MTH 1125*

MTH 2201 Calculus and its Applications (3)
An introduction to the basic ideas and techniques of differential and integral calculus, especially as they relate to problems involving maximum and minimum values of functions and marginal analysis. **Note:** Credit will not count toward a major or minor in mathematics. *Prerequisite(s): MTH 1108 or MTH 1112, MTH 1114 or MTH 1116 with a grade of C or better, or advanced placement*

MTH 2215 Applied Discrete Mathematics (3)
Discrete mathematics with a computer science orientation is presented. Topics include sets, relations, logic, algorithms, and recursion. **Note:** Credit will not count toward Area III requirements nor will it count toward any major or minor in mathematics. *Prerequisite(s): A grade of C or better in MTH 1108 or MTH 1112*

MTH 2220 Computer Programming for Mathematics (3)
Structured programming of a mathematical nature, arithmetic computations, algorithm design and control structures, functions and subroutines intrinsic functions, array processing. *Prerequisite(s): MTH 1125*

MTH 2227 Calculus III (4)
Topics include vector functions, multi-variable functions, partial derivatives and their applications, quadric surfaces, multiple integrals, and vector calculus, including Green's theorem, curl, divergence, surface integrals, and Stoke's theorem. *Prerequisite(s): MTH 1126*

MTH 2230 Applied Linear Algebra (3)
This course covers some topics in Linear Algebra with an orientation towards applications in fields that use least squares regression. Topics include the algebra and geometry of vectors, matrices and their operations, determinants, systems of linear equations, linear independence, transformations, linearization and least square problems. *Prerequisite(s): MTH 1125*

MTH 2251 Mathematical Concepts for K-6 Teachers I (3)
An examination of some of the major topics encountered in the teaching of elementary mathematics with emphasis on number theory order of operations, definitions of and operations with rational and irrational numbers, estimation, definitions and algorithms of the four operations, numeration systems, bases other than 10, and problem solving. **Note:** Credit will not count toward Area III requirements nor will it count toward any major or minor in mathematics. *Prerequisite(s): MTH 1108 or higher*

MTH 2252 Mathematical Concepts for K-6 Teachers II (3)
An examination of some of the major topics encountered in the teaching of elementary school geometry with emphasis on measurement, area, volume, congruence, polygons, circles, constructions, motion geometry, polyhedra, and similarity. **Note:** Credit will not count toward Area III requirements nor will it count toward any major or minor in mathematics. *Prerequisite(s): MTH 1108 or higher*

MTH 3300 Selected Topics (3)
Examination of a designated topic of special and/or current interest and importance, which is generally not covered in regularly offered courses in the mathematics curriculum.

MTH 3311 Differential Equations (3)
An introduction to ordinary differential equations. Topics include first order methods, linear equations, the Laplace transforms, systems of equations, and applications. *Prerequisite(s): MTH 2227*

MTH 3318 Introduction to Advanced Mathematics (3)
Topics include set theory, equivalence relations and partitions, logic, number systems, functions, and proof writing techniques. *Prerequisite(s): MTH 1126*

MTH 3325 College Geometry (3)
Axiomatic systems; incidence and separation properties of planes and space; metric and synthetic approaches; geometric inequalities; parallel postulate; area-theory; circles in a plane; models for hyperbolic and elliptic geometries; and constructions with a straightedge and compass. *Prerequisite(s): MTH 3318*

MTH 3327 Mathematical Modeling (3)
A study of mathematical models, modeling techniques, and simulations of experiments. Topics may include: least squares for finding best fit lines, quadratics, cubics, exponential, polynomial; determining models a priori; cubic splines; interpolations; simulations. *Prerequisite(s): MTH 2227, programming experience is preferred.*

MTH 3328 Quantum Computing Fundamentals (3)
This course is designed to provide students with a comprehensive understanding of the fundamental principles underlying quantum computing, covering both the theoretical foundations and practical aspects of this cutting-edge field. The topics covered include but are limited to Quantum leap, Quantum information and theory, architectures and algorithms, and programming approaches. *Prerequisite(s): MTH 1125*

MTH 3331 Linear Algebra (3)
Matrices, systems of equations, determinants, eigenvalues and eigenvectors. *Prerequisite(s): MTH 1126*

MTH 3364 Vector Calculus (3)
Differentiation in several variables. Line and surface integrals. Potential theory and differential forms. *Prerequisite(s): MTH 2227*

MTH 4412 Discrete Mathematics (3)
Topics can include counting techniques such as Pigeonhole Principle, permutations, combinations, binomial coefficients, inclusion-exclusion, and relations and graphs. *Prerequisite(s): MTH 2227 and MTH 3318*

MTH 4415 Introduction to Partial Differential Equations (3)
Partial differential equations and boundary value problems, Fourier series, the heat equations, vibrations of continuous systems, the potential equation, spectral methods. *Prerequisite(s): MTH 3311 and MTH 3331*

MTH 4418 Mathematical Logic (3)
Predicate calculus and classical model theory; transfinite set theory and the system ZFC; recursion theory and decidability. *Prerequisite(s): MTH 3318*

MTH 4420 Graph Theory (3)
The elements of graph theory including: trees; bipartite, chordal and planar graphs; graph coloring; graph

traversals; and flows. *Prerequisite(s): MTH 2227 and MTH 3318 or permission of instructor*

MTH 4422 Numerical Analysis (3)
Topics include finite differences, interpolation, numerical integration and differentiation, solutions of equations of one variable, linear systems, and numerical solutions of ordinary differential equations. *Prerequisite(s): MTH 2220, MTH 2227 and MTH 3331, or permission of instructor*

MTH 4424 Real Analysis I (3)
The real number system, completeness, limits, continuity, sequences, differentiation, and the Riemann integral. *Prerequisite(s): MTH 2227 and MTH 3318*

MTH 4425 Real Analysis II (3)
Sequences and series of functions, series, and a continuation of the integral to include the Fundamental Theorem of Calculus. *Prerequisite(s): MTH 4424*

MTH 4426 Complex Analysis (3)
Complex numbers, elementary functions and their mappings, complex limits and power Cauchy integral formula. *Prerequisite(s): MTH 2227 and MTH 3318 or permission of instructor*

MTH 4431 Numerical Linear Algebra (3)
Numerical methods and analysis applied to linear systems. Topics may include computer arithmetic and error analysis, direct methods for solving linear systems, iterative techniques in matrix algebra, least square problems, eigenvalue problems, and singular decomposition. *Prerequisite(s): MTH 3331*

MTH 4436 Number Theory (3)
Divisibility, congruencies, prime numbers, Fermat's theorem, Diophantine equations, number theoretic functions. *Prerequisite(s): MTH 2227, MTH 3318*

MTH 4437 Matrix Analysis and Applications (3)
Fundamentals of operators in finite dimensional Hilbert spaces, mapping and algebras, functional calculus, matrix monotone and matrix convex functions, quantum entropy, matrix means, majorization and singular values. *Prerequisite(s): MTH 4424 and MTH 3331*

MTH 4441 Abstract Algebra I (3)
Properties of the integers, modular arithmetic. Elementary theory of groups, finite groups, subgroups, cyclic groups, permutation groups. Group isomorphisms and homomorphisms. *Prerequisite(s): MTH 2227, MTH 3318, and MTH 3331*

MTH 4442 Abstract Algebra II (3)
Elementary theory of rings, polynomial rings, divisibility, unique factorization domains. Integral domains, ideals, factor rings, divisibility in integral domains. Elementary theory of fields. Extension fields. *Prerequisite(s): MTH 4441*

MTH 4460 Topology (3)
An introduction to metric and topological spaces and associated topics, separation axioms, compactness, and connectedness. *Prerequisite(s): MTH 2227, MTH 3318*

MTH 4474 Internship in Mathematics Education (9)
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite(s): Admission to TEP. Co-requisite(s): SED 4454*

MTH 4480 Study Abroad in Mathematics (1-3)
Provides the opportunity for students to experience mathematics in the global community through cultural immersion in a study abroad program. *Prerequisite(s): 6 credit hours at the 4000-level, permission of instructor, and successful completion of TROY Study Abroad Program requirements and fees*

MTH 4481 Methods and Materials for the Secondary Teacher (3)
A survey of teaching methods and materials appropriate for teaching in the content areas for grades 6-12. Topics addressed will include teacher evaluation in the public schools, collaboration with special education teachers, and lesson planning formats. In addition, teaching methods, selections organization and use of mathematics materials for grades 6-12 will be covered in detail. A professional laboratory experience is included in this course. *Prerequisite(s): Admission to TEP*

MTH 4490 Senior Seminar (1-3)
Individualized study of a topic in mathematics culminating in a written and oral presentation. *Prerequisite(s): MTH 3318 and senior status*

MTH 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisites(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

MTH 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

MTH 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

MTH 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

MTH 4498 **Math Education Capstone (3)**
This course is designed to culminate the student's experience in the Math Education program. Students will complete a comprehensive exam and a capstone project that integrates educational research, curriculum design, math content application, and assessment. Based on a literature evaluation of a specific concept or problem in math teaching, the student will develop a new curricular unit, or redesign an existing one, to be implemented in a college, high school, or middle school math course. This unit must apply math content from their degree program courses and the student must assess the impact of the new/revised unit on student learning. *Prerequisite(s): Junior Status*

MUSIC INDUSTRY

MUI 1101 **American Popular Music Ensemble (1)**
An examination and application of music and music performance focused in the American popular music genres. Students will experience and perform popular music styles/genres including rock, R&B, mainstream pop, country, and hip hop among others. In addition, students will experience studio production process and procedure in the recording of music tracks for release through a record label. *Prerequisite(s): By audition*

MUI 2201 **Improvisation (1)**
An introduction to basic improvisation through guided performance practices. Chord symbols and terminology will be used to describe various chords and scales. The "musical vocabulary" presented in this course is designed to provide a strong foundation that can be applied to multiple styles of American popular music. Students who complete the course will have the necessary tools to improvise at a basic harmonic level. *Prerequisite(s): MUS 1103*

MUI 2230 **Survey of Music Industry (3)**
An introduction to practices and inter-relationships of the music industry, such as retail, recording, distribution, legal aspects, publishing media and employment.

MUI 3305 **Music Technologies (3)**
Study of the computer-based applications as currently used in the music industry for audio production including MIDI sequencing, multi-track recording, audio editing and music notation. *Prerequisite(s): MUI 2230*

MUI 3310 **Audio Principles and Techniques I (3)**
A basic course to develop the understanding and skills to produce audio recordings. Listening skills will be emphasized along with editing, recording, and basic sound design for film/video. *Prerequisite(s): MUI 2230, MUI 3305*

MUI 3315 **Song Writing (2)**
Study of basic skills and techniques of songwriting including lyric writing, melodic construction, and harmonic progression. *Prerequisite(s): MUI 2230, MUI 3305, MUS 1103*

MUI 3325 **Recording Studio I (2)**
An examination of the art of studio recording. The mixing console, microphones, signal processing, and digital recording systems will be studied and experienced. *Prerequisite(s): MUI 3360*

MUI 3326 **Recording Studio II (2)**
In-depth study of audio recording in the studio environment. Remote and studio recording techniques, studio process/protocol, and post production will be studied and experienced. Students will prepare a recording project portfolio. *Prerequisite(s): MUI 3325*

MUI 3340 **Live Sound Reinforcement (2)**
An overview of contemporary live sound reinforcement techniques. Students will experience various aspects of working in the live sound environment including: audio component types, venue/acoustical considerations, signal processing/application, specific technical considerations, microphone techniques, mixing techniques, and sound crew protocol. *Prerequisite(s): MUI 3360*

MUI 3345 **Audio for Producers (2)**
An overview of audio production in the recording studio environment, including industry-standard process and procedures. In addition, the roles of the producer, engineer, and musician are explored through a series of recording sessions while working in digital audio environments. A final recording project will be completed as a part of the student's portfolio. *Prerequisite(s): MUI 3310*

MUI 3346 **Studio Repair & Maintenance (2)**
Course includes basic electric instrument adjustment, maintenance, and repair, common industry standards and guidelines, practical evaluation, and

hands-on adjustment and repair. *Prerequisite(s): MUI 3326, MUI 3340*

MUI 3360 Audio Principles and Techniques II (2)
This course is an in-depth examination of audio recording. The curriculum will cover remote and studio recording techniques. The related areas of sound reinforcement and post-production will be covered at length. Students will apply advanced microphone techniques, utilize digital editing and plug-ins, and prepare a recording project portfolio. *Prerequisite(s): MUI 3310*

MUI 4410 Arts Management/Concert Production (2)
A study of artist management and concert production including show development, venue management, marketing, booking and touring. A music concert production will be developed, staged and presented in a variety of performance environments. *Prerequisite(s): MUI 2230, MUI 3305*

MUI 4420 Film Scoring (2)
Examination of the process and preparation of digital music for film, digital video and animation. *Prerequisite(s): MUI 3310*

MUI 4430 Marketing of Recorded Music (2)
An in-depth study of the process of studio production, manufacturing, promotion, marketing and distribution of contemporary recordings. *Prerequisite(s): MUI 2230, MUI 3305*

MUI 4435 Music Merchandising (2)
Examination of the production, marketing, merchandising and distribution of musical products in the current music marketplace. *Prerequisite(s): MUI 2230, MUI 3305*

MUI 4448 Audio Mixing and Mastering (2)
An exploration and application of audio mixing and mastering techniques used in contemporary audio production. *Prerequisite(s): MUI 3325*

MUI 4460 Senior Practicum (3)
Career preparation in student's area of emphasis including a culmination project/presentation, internship placement, and portfolio development. *Prerequisite(s): Approval of adviser/ coordinator*

MUI 4480 Seminar in Music Industry (3)
An advanced course focused on the development of the professional skills portfolio. The student will develop a project to be added to their portfolio upon completion. *Prerequisite(s): MUI 4460*

MUI 4499 Music Industry Internship (9)
Students will be assigned an internship position in the music industry. The intern will be supervised by a music industry faculty member. *Prerequisite(s): MUS 4460*

MUSIC

MUS 1102 Music Theory I (3)
Study of music fundamentals including rhythm and meter, note names, intervals, major and minor scales, key signatures, triads, seventh chords, cadences, introduction to Roman Numeral and Macro analysis, non-chord tones and suspensions, and beginning part-writing. *Co-requisite(s): For music majors: MUS 1105, MUS 1107.*

MUS 1103 Music Theory II (3)
Study of diatonic and chromatic harmony including secondary dominant functioning chords, borrowed chords, Neapolitan chord, and augmented sixth chords, modulation, advanced part-writing, and intermediate-level harmonic analysis. *Prerequisite(s): MUS 1102. Co-requisite(s): For music majors: MUS 1106, MUS 1108*

MUS 1105 Class Piano I (1)
Introduction to basic keyboard musicianship and music reading skills. Focuses on beginning improvisation techniques, harmonization and beginning chorale playing.

MUS 1106 Class Piano II (1)
Development of intermediate-level keyboard skills including improvisational techniques, chorale playing, sight reading and transposition. *Prerequisite(s): MUS 1105*

MUS 1107 Aural Skills I (1)
Beginning sight-singing and rhythmic reading, melodic, harmonic and rhythmic dictation, and interval and chord quality identification.

MUS 1108 Aural Skills II (1)
Intermediate-level sight-singing and rhythmic reading, melodic, harmonic and rhythmic dictation, and interval and chord quality identification. *Prerequisite(s): MUS 1107*

MUS 1110-4429 Private Instruction (1)
Other Hours: 1 lesson per week

1110/2210/3310/4410	Violin;
1111/2211/3311/4411	Viola
1112/2212/3312/4412	Cello
1113/2213/3313/4413	String Bass
1114/2214/3314/4414	Piano
1115/2215/3315/4415	Organ
1116/2216/3316/4416	Voice
1117/2217/3317/4417	Clarinet
1118/2218/3318/4418	Oboe
1119/2219/3319/4419	Flute
1120/2220/3320/4420	Bassoon
1121/2221/3321/4421	Saxophone
1122/2222/3322/4422	Trumpet
1123/2223/3323/4423	Horn
1124/2224/3324/4424	Trombone
1125/2225/3325/4425	Euphonium
1126/2226/3326/4426	Tuba
1127/2227/3327/4427	Percussion
1128/2228/3328/4428	Guitar
1129/2229/3329/4429	Composition

1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion).

MUS 1110/ 2210/3310/ 4410 **Private Instruction - Violin (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1111/ 2211/3311/ 4411 **Private Instruction - Viola (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1112/ 2212/3312/ 4412 **Private Instruction - Cello (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1113/ 2213/3313/ 4413 **Private Instruction - String Bass (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1114/ 2214/3314/ 4414 **Private Instruction – Piano (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1115/ 2215/3315/ 4415 **Private Instruction - Organ (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1116/ 2216/3316/ 4416 **Private Instruction - Voice (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1117/ 2217/3317/ 4417 **Private Instruction - Clarinet (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1118/ 2218/3318/ 4418 **Private Instruction - Oboe (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1119/ 2219/3319/ 4419 **Private Instruction - Flute (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1120/ 2220/3320/ 4420 **Private Instruction - Bassoon (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1121/ 2221/3321/ 4421 **Private Instruction - Saxophone (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1122/ 2222/3322/ 4422 **Private Instruction - Trumpet (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1123/ 2223/3323/ 4423 **Private Instruction - Horn (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1124/ 2224/3324/ 4424 **Private Instruction - Trombone (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area

(keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1125/ 2225/3325/ 4425 **Private Instruction - Euphonium (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1126/ 2226/3326/ 4426 **Private Instruction - Tuba (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1127/ 2227/3327/ 4427 **Private Instruction - Percussion (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1128/ 2228/3328/ 4428 **Private Instruction - Guitar (1)**
1000-level courses are for non-majors and music majors studying secondary instruments. Music majors will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion). *Note: 1 credit hour per semester, 1 lesson per week*

MUS 1129/ 2229/3329/ 4429 **Private Instruction - Composition (1)**
Note: 1 credit hour per semester, 1 lesson per week

MUS 1131 **Music Appreciation (3)**
Orientation, vocal and instrumental media, forms, historical development and guided listening. Credit for this course does not apply toward any program in music.

MUS 1140 **World Music Ensembles**
This course encompasses two different ensembles, The Chinese Traditional Music Ensemble and the Irish Traditional Music Ensemble. The members of both ensembles will perform traditional music on traditional instruments, with the goal of learning traditional melodies and musical interactions typical in the music of these diverse cultures and locales.

MUS 1145 **Folk Music of the Americas (1)**
An ensemble that plays traditional music from many regions throughout the Americas. The group performs old time songs and folk tunes from the United States, as well as indigenous songs, folk songs and tunes from Central and South America, and syncretic music, exploring a broad variety of American cultural traditions.

MUS 1146 **Chinese Folk Ensemble (1)**
A traditional music group dedicated to promoting cultural exchange through playing a variety of traditional Chinese instruments and melodies from various regions around the country.

MUS 1147 **Celtic Ensemble (1)**
A traditional music group that performs tunes and songs of Irish, Scottish, Welsh, Galician, Breton, and Scandinavian origins. It has a varied instrumentation and an emphasis on learning melodies aurally.

MUS 1148 **World Music Workshop (2)**
World Music workshop will be a hands-on course that surveys traditional music from around the globe, with an emphasis on exploratory play.

MUS 1149 **Sangeet Ensemble (1)**
The ensemble will explore traditional and classical music from the rich variety of cultures throughout India and the surrounding regions of Nepal, Pakistan, and Bangladesh through learning songs, melodies, rhythms and lore.

MUS 1150 **Guitar Ensemble (1)**
This course is designed to increase student knowledge of guitar ensemble and chamber music repertoire through performance, listening and concert attendance.

MUS 1155 **Opera Workshop (1)**
This course is a performance workshop, uniquely tailored to showcase enrolled students. Students will be assigned a scene or a role, be expected to learn music independently, coach music and presentation during class hours and perform on designated concert date(s). This course is open to all students interested in classical singing and performance. Students will audition for roles and be coached with positive reinforcement to be part of a successful performing ensemble representing the School of Music.

MUS 1181 **Band (1)**
Marching Band (fall) and concert band (spring). Open to all students by permission of director.

MUS 1182 **Gospel Singers (1)**
A mixed chorale ensemble, repertoire ranges from traditional to contemporary gospel, spirituals, anthems, and praise and worship music.

MUS 1183 **Collegiate Singers (1)** ***Contact Hours: 3***
Choral group devoted to performance of choral masterworks. *Note: Open to all students with permission of instructor.*

MUS 2202 **Music Theory III (3)**
Study and analysis of structures and procedures of the Common Practice period, beginning with phrase and period structures and continuing through binary, ternary, sonata-allegro, sonata-rondo, fugue, variation, and through-composed forms. *Prerequisite(s): MUS 1103. Co-requisite(s): For music majors: MUS 2207*

MUS 2203 **Music Theory IV (3)**
Study and analysis of music from the Late Romantic period through 21st Century compositional and analytical practices. *Prerequisite(s): MUS 2202*

MUS 2207 **Aural Skills III (1)**
Advanced sight-singing and rhythmic reading, melodic, harmonic and rhythmic dictation including chromatic harmonies, and interval and chord quality identification. *Prerequisite(s): MUS 1108*

MUS 2235 **Listening to Jazz (3)**
An exploration of jazz in American culture.

MUS 2240 **World Music Cultures (3)**
A survey of diverse musical traditions from around the globe. Musical cultures are approached anthropologically, and each culture will be examined to understand how music is entwined with human experience.

MUS 2245 **Classic Vinyl: Rock and Roll Revisited (3)**
An exploration of Rock and Roll in American culture.

MUS 2250 **Survey of Western Music History I (3)**
This course traces the development of Western music from the ancient and medieval worlds through the Renaissance and baroque periods.

MUS 2251 **Survey of Western Music History II (3)**
This course traces the development of Western music from the 18th century through the classical, romantic and contemporary periods. *Prerequisite(s): MUS 2250*

MUS 3305 **Music Technologies (3)**
Study of the applications of the microcomputer to music teaching and to the management, planning, and record-keeping tasks of the music educator.

MUS 3306 **Conducting (3)**
Basic conducting techniques for instrumental and choral groups. Includes score study, rehearsal techniques and interpretation of various styles. *Prerequisite(s): MUS 1103*

MUS 3335 **Choral Leadership (1)**
Intensive score study, performance practices, and conducting practice of standard repertoire.

MUS 3340 **Diction for Singers (1)**
Focuses on student understanding and application of singing of the English, Italian, Latin, German and French languages through use of the International Phonetic Alphabet and appropriate art song repertoire. *Prerequisite(s): ENG 1102, MUS 2216*

MUS 3341 **Vocal Pedagogy (1)**
A study of vocal teaching methods with an emphasis on application for private voice and choral teachers. This course also includes a review of vocal/choral pedagogical literature. *Prerequisite(s): MUS 2216*

MUS 3346 **Educational Psychology & Classroom Assessment in Fine Arts (3)**
This course provides a broad foundation in aspects of assessment and educational psychology.

MUS 3351 **Class Brass (1)**
Group instruction in techniques of playing and teaching brass instruments. *Prerequisite(s): MUS 1103 and MUS 1108*

MUS 3352 **Class Woodwinds (1)**
Introduction to each of the principal woodwind instruments, emphasizing teaching techniques suitable for band classes.

MUS 3353 **Class Percussion (1)**
Group instruction in playing and teaching the principal pitched and non-pitched percussion instruments.

MUS 3354 **Class Strings (1)**
Group instruction in techniques of playing and teaching stringed instruments.

MUS 3356 **Class Voice (1)**
Introduction to the use of the singing voice for non-voice principals in music education.

MUS 3360 **Wind and Percussion Methods (1)**
Students will demonstrate theoretical, pedagogical and performance knowledge of/on selected wind/percussion instruments and awareness of instrument materials and rehearsal techniques, and will review the role of the instrumental music educator in music education.

MUS 3361 **Integrating Music into the Curriculum (3)**
Basic skills and methods of presentation and evaluation for music in grades P-6. Role-playing experiences are used to demonstrate appropriate materials, student involvement and motivational techniques. *Prerequisite(s): MUS 1131*

MUS 3365 **Class Composition (1)**
Creative musical writing, criticism, and study of compositional techniques. *Prerequisite(s): permission of instructor*

MUS 3380 **Travel Study in Music (1-3)**
Supervised study of music through travel abroad or within the United States. May be repeated for credit. *Prerequisite(s): permission of instructor*

MUS 3382 **Choral Techniques (3)**
Organizational and instructional strategies for teaching music through performance in choir. Includes a field component. *Prerequisite(s): MUS 1103 and junior standing*

MUS 3384 **Band Techniques (3)**
Organizational and instrumental strategies for teaching music through performance in band. Includes a field experience component. *Prerequisite(s): MUS 1103 and junior standing*

MUS 3385 **Symphony Band (1)**
Select concert organization for performance of advanced literature for band and wind ensemble. *Prerequisite(s): Audition*

MUS 3386 **Jazz Ensembles (1)**
Select ensemble for performance in a wide variety of jazz styles. *Prerequisite(s): Audition*

MUS 3387 **Concert Chorale (1)**
This mixed chamber choir performs challenging classical, traditional, and contemporary choral repertoire. *Prerequisite(s): Audition*

MUS 4400 **Selected Topics (1-3)**
Detailed investigation of a specialized topic not covered in regularly offered courses, or an advanced section for intensive study.

MUS 4401 **Selected Topics (1-3)**
Detailed investigation of a specialized topic not covered in regularly offered courses, or an advanced section for intensive study.

MUS 4402 **Selected Topics (1-3)**
Detailed investigation of a specialized topic not covered in regularly offered courses, or an advanced section for intensive study.

MUS 4403 **Classroom Management for the Music Educator (3)**
The purpose of this course is to establish a foundation of content and application relative to classroom management for the music educator (P-12). Provides opportunities for analysis and application of behavioral management techniques in general music and performance-based pedagogical settings.

MUS 4430 **Flute Choir (1)**
This course is designed to increase student knowledge of flute choir repertoire through performance, listening, and discussion.

MUS 4431 **Chamber Brass Ensembles (1)**
This course is open to any brass player interested in performing in a coached brass chamber ensemble. Students will be placed in a chamber ensemble at the discretion of the instructors (chamber ensembles already established are encouraged to enroll as well). Weekly rehearsals and coaching determined by ensemble availability. Ensembles typically have 1-3 performances per semester.

MUS 4432 **Percussion Ensemble (1)**
Ensemble course open to all students.

MUS 4433 **Clarinet Choir (1)**
Ensemble course open to all students.

MUS 4435 **Campus Concert Band (1)**
Ensemble course open to all students.

MUS 4436 **Vocal Jazz Ensemble (1)**
This ensemble is designed to provide a quality performance experience for students of all majors and levels, utilizing excellent ensemble vocal jazz repertoire. *Prerequisite(s): Audition*

MUS 4440 **Marching Band Techniques (3)**
This course is designed to provide students with tools and techniques to successfully administer a high school marching band program, select and rehearse music, write and rehearse drill, and examine various marching techniques. Also included are intensive work with the Pyware Drill Design software and experiences with writing drill and creating working frameworks for marching bands.

MUS 4460 **Music for the Diverse Learner (3)**
Theoretical and practical exploration of the use of music to teach various populations of exceptional learners. Hands-on experience provided with exceptional populations and designing musical activities for each. *Prerequisite(s): Sophomore standing*

MUS 4461 **Orchestration and Arranging (2)**
Ranges, transpositions and other characteristics of standard instruments and voices. Arranging/composition projects. *Prerequisite(s): MUS 2202*

MUS 4470 **Instrument Repair (2)**
Course includes basic musical instrument adjustment, maintenance and repair, common industry standards and guidelines, practical evaluation and hands-on adjustment and repair.

MUS 4471 **Music for ECE and Elementary School (3)** ***Contact Hours: 4***
Materials and planning techniques for music in grades P-6. Singing, listening, movement, instrument playing and creative activities will be explored. Multicultural elements, observation, teaching experiences, and practical application of ideas will be included. *Prerequisite(s): MUS 1103 and junior standing*

MUS 4472 **Internship in Music Education (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite(s): Admission to TEP. Co-requisite(s): IED 4454*

MUS 4481 **Methods and Materials for the Secondary Music Teacher (3)** ***Contact Hours: 4***
Teaching methods, selection, organization and use of music materials in grades 6-12. Observation and teaching experiences will be included. *Prerequisite(s): MUS 4471 and admission to TEP*

MUS 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

MUS 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

MUS 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

MUS 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

MUS 4499 **Senior Recital (1)**
Required for all music majors. *Prerequisite(s): Approval Jury*

NURSING (ASN PROGRAM)

NSG 1130 **Basic Nursing Concepts (2)**
Introduces the nursing process and the concept of evidence-based practice as a basis for making clinical nursing judgments. Incorporates theoretical knowledge from nursing, scientific, environmental and humanistic disciplines. Introduces the concepts of client needs, safety, communication, teaching/learning, critical thinking, ethical-legal, cultural diversity, nursing history, and the program's philosophy of nursing. Requires basic understanding of medical terminology. Focuses on the role of the professional nurse in providing care to diverse patient populations. *Prerequisite(s): Admission to the ASN Program, ENG 1101, MTH 1112 or MTH 1108, PSY 2200, BIO 3347/BIO L347*

NSG 1131 **Basic Nursing Concepts Practicum (2)**
Contact Hours: 4
Introduces psychomotor nursing skills needed to assist individuals in meeting basic human needs. Skills necessary for maintaining microbial, physical, and psychological safety are introduced along with skills needed in therapeutic interventions. Focuses on the role of the professional nurse in applying basic nursing skills to diverse patient populations with common health alterations. *Prerequisite(s): Admission to the ASN Program, ENG 1101, MTH 1112 or MTH 1108, PSY 2200, BIO 3347/BIO L347. Pre/Corequisite(s): NSG 1130, NSG 1135*

NSG 1135 **Health Assessment Practicum (1)**
Contact Hours: 2
Focuses on applying knowledge and skills required to perform health assessments on diverse patient populations. Utilizes an evidence-based systemic approach to collect data in the assessment phase of the nursing process. *Prerequisite(s): Admission to the ASN Program, ENG 1101, BIO 3347/BIO L347, PSY 2200, MTH 1112 or MTH 1108*

NSG 1140 **Foundations of Adult Health Nursing (3)**
Builds upon knowledge from previous nursing courses and other scientific disciplines to explore patient-centered care for adults with actual or potential health deviations. Focuses upon an evidence-based approach to the nursing process within a culture of quality and safety. Emphasizes the role of the professional nurse as educator, collaborator and change agent within the interprofessional health team. *Prerequisite(s): NSG 1130, NSG 1131, NSG 1135, NSG 1151, KHP 2211 or NSG 2213, BIO 3348/BIO L348, PSY 2210, and TROY 1101*

NSG 1141 **Foundations of Adult Health Nursing Practicum (3-6)**
Utilizes an evidence-based approach in the application of the nursing process, emphasizing clinical decisions that are safe, ethical, patient-centered and collaborative, to assist a diverse population of adults with common health alterations. *Prerequisite(s): NSG 1130, NSG 1131, NSG 1135, NSG 1151, KHP 2211 or NSG 2213, BIO 3348/BIO L348, PSY 2210, TROY 1101. Pre/Corequisite(s): NSG 1140*

NSG 1151 **Hospital Measurements (1)**
An introduction to using mathematical computations in health-related situations. Focuses on mathematics computations as applied in selected healthcare settings. Different systems of measurement will be a priority. Includes an exam on computation of dosages and solutions, requiring completion with 90% accuracy. *Prerequisite(s): Admission to the ASN Program, ENG 1101, MTH 1112 or MTH 1108, PSY 2200, BIO 3347/BIO L347*

NSG 2202 **Pharmacology (2)**
Focuses on specific classification of drugs, pharmacokinetics, pharmacodynamics, clinical usage, methods of administration, dosages, side effects,

contraindications, reactions, and related nursing implications. *Prerequisite(s): NSG 1130, NSG 1131, NSG 1135, NSG 1151*

NSG 2213 Nutrition (2)
An evidence-based study of macro and micronutrients as they impact health promotion and disease prevention of diverse individuals across the lifespan. Focus is placed on basic nutrition concepts as they relate to body systems, medical nutrition therapies, drug interactions, food safety, and nutrition assessment.

NSG 2255 Maternal-Infant Nursing (2)
Focuses on the nursing process and evidence-based practice as a basis for in in assisting the family during childbearing experiences. Applies theoretical knowledge from nursing, scientific, environmental and humanistic disciplines. *Prerequisite(s): NSG 1140, NSG 1141, NSG 2202, NSG 2271, NSG 2272, BIO 3372/BIO L347*

NSG 2256 Maternal-Infant Nursing Practicum (2)
Contact Hours: 4
Focuses on the role of the professional nurse in providing high quality nursing care to childbearing individuals and families. Utilizes antepartal,intrapartal, postpartal, and neonatal experiences. *Prerequisite(s): NSG 1140, NSG 1141, NSG 2202, NSG 2271, NSG 2272, BIO 3372/BIO L372. Pre/Corequisite(s): NSG 2255*

NSG 2265 Nursing of Children (2)
Focuses on the use of the nursing process and evidence-based practice as a basis for assisting the family during childrearing experiences. Applies theoretical knowledge from nursing, scientific, environmental and humanistic disciplines. *Prerequisite(s): NSG 1140, NSG 1141, NSG 2202, NSG 2271, NSG 2272, BIO 3372/BIO L372*

NSG 2266 Nursing of Children Practicum (2)
Contact Hours: 4
Focuses on the role of the professional nurse in providing high quality nursing care to children and their families. Concepts of growth and development are applied in the care of children with altered health states including multiple disabilities. *Prerequisite(s): NSG 1140, NSG 1141, NSG 2202, NSG 2271, NSG 2272, BIO 3372/BIO L372. Pre/Corequisite(s): NSG 2265*

NSG 2271 Psychosocial Nursing Concepts (2)
Focuses on the role of the professional nurse utilizing evidence-based practice to promote the adaptation of diverse individuals and families experiencing bio-psychosocial stressors. *Prerequisite(s): NSG 1130, NSG 1131, NSG 1135, NSG 1151, BIO 3348/BIO L348, PSY 2210, TROY 1101, KHP 2211 or NSG 2213*

NSG 2272 Psychosocial Nursing Practicum (2-4)
Focuses on the role of the professional nurse in the application of evidence-based nursing process in the care of diverse individuals and families experiencing bio-psychosocial stressors. *Prerequisite(s): NSG 1130, NSG 1131, NSG 1135, NSG 1151, NSG 2204, NSG 2213, BIO 3348/BIO L348, PSY 2210, TROY 1101, KHP 2211. Pre/Corequisite(s): NSG 2271*

NSG 2280 Advanced Nursing Concepts (4)
Provides advanced knowledge for care of individuals and families in complex or life threatening situations. Focuses on the leadership role of the professional nurse using evidence-based practice while providing safe, high-quality, holistic, patient-centered care for diverse patient populations in complex or life-threatening situations. *Prerequisite(s): NSG 2202, NSG 2255, NSG 2256, NSG 2265, NSG 2266, NSG 2282, NSG 2283*

NSG 2281 Advanced Nursing Practicum (6)
Contact Hours: 12
Provides opportunity to demonstrate the role of professional nursing using judgment in practice, substantiated by evidence to assess and provide high quality care for individuals and families with complex multi-system stressors. Emphasizes health promotion, prevention, education and evidenced-based intervention in complex and life-threatening situations. Facilitates transition into the professional nursing role by examining legal, ethical, political, economic, and socio-cultural issues in nursing. Provides opportunity to apply leadership knowledge, refine nursing skills and develop greater understanding in a selected clinical area under the guidance of an approved professional nurse. *Prerequisite(s): NSG 2202, NSG 2255, NSG 2256, NSG 2265, NSG 2266, NSG 2282, NSG 2283. Pre/Corequisite(s): NSG 2280*

NSG 2282 Adult Health Nursing II (2)
Continues to explore patient-centered care for adults with acute health alterations. Focuses on an evidence-based approach to the nursing process within a culture of quality and safety. Emphasizes the role of the professional nurse for adults in acute and long-term settings. Applies theoretical knowledge from nursing, scientific, environmental and humanistic disciplines. *Prerequisite(s): NSG 1140, NSG 1141, NSG 2202, NSG 2271, NSG 2272, BIO 3372/BIO L372*

NSG 2283 Adult Health Nursing II Practicum (2-4)
Focuses on the role of the professional nurse in providing high quality nursing care to adults. Utilizes an evidence-based approach in the continued application of the nursing process, emphasizing clinical decisions that are safe, ethical, patient-centered and collaborative to assist a diverse population of adults with acute health alterations. *Prerequisite(s): NSG 1140, NSG 1141, NSG 2202, NSG 2271, NSG 2272, BIO 3372/BIO L372.*
Pre/Corequisite(s): NSG 2282

NURSING (BSN PROGRAM)

NSG 1101 Health Concepts (1)
Provides opportunity for exploration of individual health values, beliefs, and behaviors. Examines impact of exercise, nutrition, and stress on health. Explores beliefs of time management, relaxation,

and play in promoting and maintaining health. Open to all majors.

NSG 1105 **Medical Terminology (1)**
Develops the use of Latin and Greek prefixes, root words, and suffixes to understand medical terminology. Open to all majors.

NSG 1150 **First Responder (1)**
Contact Hours: 2
Provides the learner with cognitive and psychomotor skills to act in emergency situations. Topics include CPR, patient head-to-toe evaluation, bleeding and shock, internal and external body injuries, splinting, poisons, bites, burns, and drownings. May audit for recertification. Open to all majors.

NSG 1160 **Introduction to Technology in Nursing Education (1)**
Provides a foundation for using computer technology in nursing education. Addresses digital communication, resources, and research used in learning. Includes communication through electronic mail and course discussion using the World Wide Web as an information tool, online scholarly research, and digital presentations. Open to all majors.

NSG 1170 **The Art of Caring and Nursing Practice (3)**
Introduces students to the art of nursing and the holistic care of individuals and populations in a globally diverse society. Open to all majors.

NSG 2204 **Nutrition (2)**
A study of macro and micronutrients, their metabolism in the body, and their influence on health states of individuals from diverse cultural, ethnic and religious groups of all ages. Examines nutritional research and health policy. Compares nutritional adequacy to evidence-based national standards. Open to all majors.

NSG 2205 **Human Growth and Development (3)**
Examines developmental theories and internal and external dimensions of growth and development. Emphasizes tasks, stressors, common health alterations, and anticipatory guidance specific to developmental stages throughout the life span. Open to all majors.

NSG 2211 **Human Nutrition (3)**
Explores the relationship between nutrition and health. Emphasizes the roles of nutrients, their utilization in the human system and their contributions to the health of individuals of all ages. Includes dietary patterns of various cultural, ethnic and religious groups, nutritional assessments, and food safety. Open to all majors.

NSG 2220 **Health Science Informatics (3)**
Provides a foundation for the study of information and its utilization through computer technology; encompasses access, dissemination, and management of health science information and Internet communication. General topics include communication through electronic mail, using the World Wide Web as an information tool, online scholarly research, and digital presentations and publishing. Course focus is the application of technology skills in health science fields. Open to all majors. *Prerequisite(s): Sophomore standing*

NSG 2230 **Advanced Medical Terminology (3)**
Focuses on health and disease medical terms and building of knowledge of medical vocabulary with an emphasis on prefixes, suffixes, roots, and combining vowels. Anatomical, physiological, and pathological terminology are covered. Includes terminology related to the body systems. Open to all majors.

NSG 2240 **Spanish for Healthcare Providers (2)**
Elementary-level instruction in Spanish language and culture, all oriented to the practice of medicine with Spanish-speaking patients. No prior knowledge of Spanish is required. Students develop basic listening, speaking, reading and writing skills to successfully perform linguistic tasks allowing them to communicate in everyday situations (e.g., greeting, narrating present and past events, describing, ordering, comparing and contrasting). *Prerequisite(s): Permission of instructor*

NSG 2285 **Perspectives of Aging (3)**
Presents interrelationships among physical, psychosocial, cultural, and spiritual components related to the older adult. Identifies senescence and alterations associated with the aging process in response to internal and external environmental dimensions. Open to all majors.

NSG 2290 **Nursing in the Global Community (1)**
Explores issues, philosophies and cultural differences in nursing in the global community. Compares nursing and healthcare in the United States to that of other nations. Prerequisite(s): Sophomore standing or permission of instructor

NSG 2291 **Nursing Study Abroad (1-3)**
Provides the opportunity for students to experience nursing in the global community through a cultural immersion in a study abroad program. Focuses on the comparison of nursing in the United States to nursing in the international community.

NSG 3300 **Dosage Calculations (2)**
Uses mathematical principles, symbols, conversions and computations for accurate calculation of dosages for safe and effective medication administration for patients of all ages. Explores current evidence and health care policy related to safe and effective medication administration. *Prerequisite(s): Admission to BSN program*

NSG 3301 **Pharmacology (3)**
Focuses on key pharmacological principles and the role of the nurse in management of drug therapy, including appropriate evidence-based patient teaching, counseling, and safety and quality controls. Presents drug classifications and related nursing implications for individuals of all ages. *Prerequisite(s): NSG 3300, NSG 3306, NSG 3309/NSG 3310, NSG 3313/NSG 3314, NSG 3315*

NSG 3306 **Perspectives of Professional Nursing (1)**
Explores the roles of the baccalaureate degree nurse. Presents the principles, standards, and values implicit in the profession of nursing. Introduces the theories used in the definition of concepts of humanity, environment, health, and nursing. Introduces the development of key elements used in professional nursing practice: caring, evidence-based clinical decisions, communication, collaboration, cultural humility, ethical competence, research, and information technology. Explores the influence of internal and external dimensions on professional nursing practice. *Prerequisite(s): Admission to the BSN Program*

NSG 3309 **Health Assessment (2)**
Focuses on the assessment phase of the nursing process as a means of collecting data for use in making clinical decisions for the promotion of safe, quality care. Emphasizes acquisition of knowledge and skills required to perform health assessments focusing on physical, psychosocial, cultural, and spiritual components of individuals at various ages and communication of findings. *Prerequisite(s): BIO 3347/BIO L347, BIO 3348 /BIO L348. Co-requisite(s): NSG 3310*

NSG 3310 **Health Assessment Practicum (1)**
Contact Hours: 2
Provides opportunities for students to practice health assessment skills required for culturally diverse individuals of all ages. Includes analysis and communication of findings for the promotion of safe, quality care. Requires demonstration of effective communication and performance of health assessment skills consistent with best practices. *Prerequisite(s): BIO 3347/BIO L347, BIO 3348 /BIO L348. Co-requisite(s): NSG 3309*

NSG 3313 **Nursing Concepts (3)**
Explores common health alterations for individuals of all ages in response to internal and external environmental dimensions. Examines the physical, psychosocial, cultural, and spiritual components influencing health states. Introduces the concept of illness as an alteration in health. Presents fundamental skills used in the implementation of therapeutic nursing interventions. Introduces evidence-based clinical decisions in the application of the nursing process for health promotion and clinical prevention. *Prerequisite(s): Admission to BSN Program, NSG 3309/NSG 3310, NSG 3315. Co-requisite(s): NSG 3314*

NSG 3314 **Nursing Concepts Practicum (3)**
Contact Hours: 6
Provides clinical learning opportunities for students to develop basic nursing knowledge and skills for the care of individuals of all ages who require assistance in meeting basic health needs and adapting to common health alterations. Uses key elements in professional nursing practice in the application of the nursing process as a systematic approach to clinical prevention, health promotion and maintenance, and illness and restorative care. Requires validation of competencies related to safe performance of basic nursing skills. Prerequisite(s): Admission to BSN Program, NSG 3309/NSG 3310, NSG 3315. Co-requisite(s): NSG 3313

NSG 3315 **Pathophysiology (3)**
Explores the relationship between normal and altered physiology in human systems. Examines physiological adaptive responses to internal and external dimensions, including genetics, ethnicity, environment and age. Emphasizes pathophysiologic responses to altered states of health and disease on structures and functions of body cells, organs and systems. Open to all majors. *Prerequisite(s): BIO 3347/BIO L347, BIO 3348 /BIO L348*

NSG 3319 **Informatics in Nursing (3)**
Focuses on development of knowledge and skills in information management and patient care technology, including data gathering, technological supports for therapeutic nursing interventions, and clinical decision-support systems. Explores use of technology to gather evidence for support of best practices for the delivery of safe and quality nursing care. Presents software applications used in nursing informatics. *Prerequisite(s): NSG 3325/ NSG 3326, NSG 3334 /NSG 3335 or admission to the RN Mobility Program*

NSG 3323 **Maternal-Infant Health Nursing (3)**
Explores both normal childbearing families and childbearing families with health alterations in response to internal and external environmental dimensions. Examines the interrelationships among the physical, psychosocial, cultural, and spiritual components of the childbearing experience. Emphasizes evidence-based clinical decisions for the utilization of therapeutic nursing interventions, communication, and collaboration in a caring environment for the promotion of optimal health states of childbearing families. *Prerequisite(s): NSG 3301, NSG 3325 /NSG 3326, NSG 3334 /NSG 3335. Co-requisite(s): NSG 3324*

NSG 3324 **Maternal-Infant Health Nursing Practicum (2-4)**
Provides clinical learning opportunities for students to provide nursing care for childbearing families during the antepartal, intrapartal, postpartal, and neonatal periods. Emphasizes the use of clinical reasoning in the application of the nursing process in facilitating human adaptive responses to childbearing in the provision of safe, quality nursing care. *Prerequisite(s): NSG 3301, NSG 3325 / NSG 3326, NSG 3334 /NSG 3335. Co-requisite(s): NSG 3323*

NSG 3325 **Adult Health Nursing I (3)**
Continues to explore the concept of illness as an alteration in health states. Presents principles of safe, effective medication and intravenous therapy administration. Explore health alterations in adults in response to internal and external environmental dimensions, focusing on surgery, gastrointestinal, endocrine, integumentary, immune, and musculoskeletal systems. Examines selected theories for interrelationships among physical, psychosocial, cultural, and spiritual components. Emphasizes

evidence-based clinical decisions in a caring environment for the utilization of therapeutic interventions, communication, and collaboration for promotion of optimal health states in adults. *Prerequisite(s): NSG 3300, NSG 3306, NSG 3309 /NSG 3310, NSG 3313 /NSG 3314, NSG 3315. Co-requisite(s): NSG 3326*

NSG 3326 Adult Health Nursing I Practicum (3)
Contact Hours: 6
Provides clinical learning opportunities for students to refine basic clinical skills and provide nursing care of adults with health alterations. Emphasizes clinical reasoning in the application of the nursing process in facilitating human adaptive responses to health alterations in the adult. Validates competencies related to medication and intravenous therapy administration. *Prerequisite(s): NSG 3300, NSG 3306, NSG 3309 /NSG 3310, NSG 3313 /NSG 3314, NSG 3315. Co-requisite(s): NSG 3325. Pre/Corequisite(s): NSG 3301*

NSG 3334 Psychiatric-Mental Health Nursing (3)
Explores mental health alterations of all ages in response to internal and external environmental dimensions. Examines selected theories of mental health and illness for interrelationships among physical, psychosocial, cultural, and spiritual components. Emphasizes evidence-based clinical decision-making in the utilization of therapeutic nursing interventions, communication and collaboration for the promotion of optimal states of mental health. *Prerequisite(s): NSG 3300, NSG 3306, NSG 3309 /NSG 3310, NSG 3313 /NSG 3314, NSG 3315. Co-requisite(s): NSG 3335*

NSG 3335 Psychiatric-Mental Health Nursing Practicum (2-4)
Provides clinical learning opportunities for students to provide illness and restorative care for individuals experiencing alterations in mental health states. Emphasizes evidence-based clinical reasoning in the application of the nursing process in facilitating human adaptive responses to mental health alterations *Prerequisite(s): NSG 3300, NSG 3306, NSG 3309 /NSG 3310, NSG 3313 /NSG 3314, NSG 3315. Co-requisite(s): NSG 3334*

NSG 3336 Adult Health Nursing II (3)
Continues to explore health alterations for adults in response to internal and external environmental dimensions, focusing on cardiovascular, respiratory, nervous, sensory, renal, reproductive, and multisystem trauma and shock. Examines selected theories for interrelationships among physical, psychosocial, cultural, and spiritual components. Emphasizes evidence-based clinical decisions in a caring environment for the utilization of therapeutic interventions, communication, and collaboration for promotion of optimal health states in adults. *Prerequisite(s): NSG 3301, NSG 3325 /NSG 3326, NSG 3334 /NSG 3335. Co-requisite(s): NSG 3337*

NSG 3337 Adult Health Nursing II Practicum (2-4)
Provides clinical learning opportunities for students to further refine clinical skills and provide nursing care for adults with alterations in health states. Emphasizes clinical reasoning in the application of the nursing process in facilitating human adaptive responses to health alterations in the adult in the provision of safe, quality nursing care. *Prerequisite(s): NSG 3301, NSG 3325 /NSG 3326, NSG 3334 /NSG 3335. Co-requisite(s): NSG 3336*

NSG 3340 Ethics in Nursing (3)
A discussion of traditional ethical theories, principles and meta-ethical concerns will provide the necessary background required to explore a variety of controversial issues such as euthanasia, abortion, and the new reproductive technologies. Objective and critical reflection about the issues will be developed into active discussions by the students. *Prerequisite(s): Permission of instructor*

NSG 3345 Physical Examination for Allied Health Professionals (2)
Focuses on physical examination of individuals by allied healthcare professionals as a means of collecting data for use in the making of clinical decisions. Emphasizes acquisition of knowledge and skills required to perform health assessments focusing on physical, psychosocial, and cultural components of individuals at various ages and communication of findings. *Prerequisite(s): BIO 3347, BIO L347, BIO 3348, BIO L348. Co-requisite(s): NSG 3346*

NSG 3346 Physical Examination for Allied Health Professional Practicum (1)
Provides opportunities for allied health professional students to practice physical examination skills required for culturally diverse individuals of all ages. Includes analysis and communication of findings for the promotion of safe, quality care. Requires demonstration of effective communication and performance of physical examination skills consistent with best practice. *Prerequisite(s): BIO 3347, BIO L347, BIO 3348, BIO L348. Co-requisite(s): NSG 3345*

NSG 3350 Case Management in Healthcare (3)
Provides theoretical foundation and practical information about case management in healthcare. Introduces the roles of the nursing case manager in a changing healthcare environment. *Prerequisite(s): NSG 3309/NSG 3310 or NSG 3345/NSG 3346*

NSG 3370 Professional Nursing (2)
Explores current issues, trends, principles, values, and standards impacting the profession of nursing. Examines theories related to the leadership/ management role of the professional nurse. Discusses evidence-based practice, information technology, quality improvement, patient safety and other current nursing practice topics related to meeting the emerging health needs in changing diverse global society in response to internal and external environmental dimensions. *Prerequisite(s): Admission to the RN Mobility Program*

NSG 3380 Pathophysiology and the Human Response (3)

Explores the relationship between normal and altered physiology in human systems. Examines physiological adaptive responses to internal and external dimensions, including genetics, ethnicity, environment and age. Emphasizes pathophysiologic responses to altered states of health and disease structures and functions of body cells, organs, and systems. Open to all majors. *Prerequisite(s): BIO 3347/BIO L347, BIO 3348 BIO L348*

NSG 3390 Global Identity: Connecting Your International Experience to Your Future (3)
Studying abroad is a transformative experience that has the power to challenge our thinking and our perspective on the world. This course aims to attract students across disciplines, to promote inter- professional development, and to prepare them to expand their understanding of their global identity and communicate their growth in intercultural competence toward their personal and professional development. Students make connections between their study abroad experience and the broader range of skills connected with this experience, to become a competitive member of a global workforce.

NSG 4403 Child Health Nursing (3)
Explores health alterations in children in response to internal and external environmental dimensions. Examines selected theories of child health for interrelationships among developmental, physical, psychosocial, cultural, and spiritual components. Emphasizes evidence-based clinical decisions, communication and collaboration in a caring environment. Presents the role of the nurse in the promotion of optimal health for children of all ages. *Prerequisite(s): NSG 3319, NSG 3323, NSG 3324, NSG 3336, NSG 3337. Co-requisite(s): NSG 4404*

NSG 4404 Child Health Nursing Practicum (2)
Contact Hours: 4
Provides clinical learning opportunities for students to integrate clinical prevention, health promotion and maintenance, and illness and restorative care for children experiencing alterations in health states. Emphasizes clinical reasoning in the application of the nursing process in facilitating human adaptive responses to health alterations in the child in the provision of safe, quality nursing care. Uses a variety of hospital and community settings. *Prerequisite(s): NSG 3319, NSG 3323, NSG 3324, NSG 3336, NSG 3337. Co-requisite(s): NSG 4403*

NSG 4405 Public Health Nursing (3)
Provides a theoretical and empirical foundation for public health nursing practice. Explores the environmental, global, cultural, political and financial dimensions of public health. Emphasizes the nurse's role in the delivery of public health nursing care in health promotion and clinical prevention health for individuals, families, communities and populations. *Prerequisite(s): NSG 4403/NSG 4404, NSG 4413 /NSG 4414, NSG 4419. Co-requisite(s): NSG 4406*

NSG 4406 Public Health Nursing Practicum (2-4)
Provides clinical learning opportunities for students to engage in public health nursing practice. Explores use of advocacy and application of environmental, global, cultural, political, and financial dimensions of public health nursing practice in health promotion and clinical prevention for individuals, families, communities and populations. Emphasizes clinical reasoning in the application of the nursing process for promotion of optimal public health. *Prerequisite(s): NSG 4403/NSG 4404, NSG 4413 /NSG 4414, NSG 4419. Co-requisite(s): NSG 4405*

NSG 4407 Clinical Nutrition (1)
A study of clinical nutrition therapy for support of adaptive responses to potential or actual major disease-specific health alterations. Presents best practices with consideration of physical, psychosocial, cultural and developmental components for clinical decisions in the design and implementation of therapeutic nursing interventions for health promotion and clinical prevention for individuals, families, communities, and population. *Prerequisite(s): NSG 4403/NSG 4404, NSG 4413 /NSG 4414*

NSG 4410 Population Health Nursing (3)
Provides a theoretical and empirical foundation for nurses to explore the environmental, global, cultural, political and financial dimensions of a specific population. Emphasizes the nurse's role in the delivery of population-focused care in health promotion, clinical prevention, and overall health for diverse communities. *Prerequisite(s): Admission to the RN Mobility Program. Co-requisite(s): NSG 4411*

NSG 4411 Population Health Nursing Preceptorship (2)
Contact Hours: 2
Provides clinical learning opportunities for students to engage in population-focused care. Explores use of advocacy and application of environmental, global, cultural, political, and financial dimensions of population-focused nursing practice in health promotion, clinical prevention, and overall population health. Emphasizes clinical reasoning in the application of the nursing process for promotion of optimal population health. *Prerequisite(s): Admission to the RN Mobility Program. Co-requisite(s): NSG 4410*

NSG 4413 Complex Nursing (3)
Interprets complex, multi-system health alterations in response to internal and external environmental dimensions. Examines theories related to stress and crisis management. Emphasizes evidence-based clinical decisions in a caring environment, utilization of communication and collaboration, and the integration of information technology, research findings, ethical competence, and cultural humility in nursing practice for the promotion of optimal health in individuals with complex, multisystem health alterations. *Prerequisite(s): NSG 3323/NSG 3324, NSG 3336 /NSG 3337, NSG 3319. Co-requisite(s): NSG 4414*

NSG 4414 Complex Nursing Practicum (2)

Contact Hours: 4
Provides clinical learning opportunities for students to provide nursing care for individuals and groups experiencing complex, multi-system health alterations in response to internal and external dimensions. Emphasizes clinical reasoning in the application of the nursing process in collaboration for promotion of optimal health states in response to complex, multi-system health alterations. Focuses on performance of complex care skills required for safe, quality nursing care. *Prerequisite(s): NSG 3323/NSG 3324, NSG 3336 /NSG 3337, NSG 3319. Co-requisite(s): NSG 4413*

NSG 4415 Nursing Leadership/Management (2)
Provides the theoretical foundation for implementation of the leadership and management roles of the professional nurse within nursing and health care organizations. Evaluates effective models and strategies for organizational management. Emphasizes evidence-based decisions in the management of the nursing organization within a caring environment. *Prerequisite(s): NSG 4403/NSG 4404, NSG 4413/NSG 4414, NSG 4419. Co-requisite(s): NSG 4421*

NSG 4417 Professional Nursing Seminar (2)
Provides analysis of internal and external dimensions of selected professional, legal, ethical, political, economic, and sociocultural issues affecting nursing. Discusses the transition from student into the professional nurse's role, professional role development, and preparation for licensure. Requires completion of a comprehensive exam per the BSN program policy. *Prerequisite(s): NSG 4403/NSG 4404, NSG 4413/NSG 4414, NSG 4419. Co-requisite(s): NSG 4421*

NSG 4419 Research and Evidence in Nursing Practice (2)
Explores the process for research and evaluation of best evidence in developing strategies for improvement of clinical outcomes. Examines the interrelationships among theory, practice, and research. Emphasizes the ethical and legal considerations in the conduct of research and appraisal of evidence. *Prerequisite(s): NSG 3323/NSG 3324, NSG 3336/NSG 3337, NSG 3319*

NSG 4421 Professional Nursing Clinical Preceptorship (3) ***Contact Hours: 12***
Facilitates transition into professional nursing practice. Provides opportunities for refinement of roles as a designer, manager, and coordinator of nursing care and provider of direct and indirect nursing care for individuals and families in a selected clinical area under the guidance of an approved preceptor. *Prerequisite(s): NSG 4403/NSG 4404, NSG 4413/NSG 4414, NSG 4419. Co-requisite(s): NSG 4415, 4417*

NSG 4430 Leadership and Management in Nursing (3)
Presents application of the leadership and management theories to manage care of individuals, families, communities, or populations adapting to internal and external environmental dimensions in a variety of dynamic and complex healthcare settings. Emphasizes the leadership and management role of the baccalaureate nurse. Integrates evidence-based practice, quality improvement, patient safety, information technology and healthcare policy. *Prerequisite(s): Admission to the RN Mobility Program. Co-requisite(s): NSG 4431*

NSG 4431 Leadership and Management in Nursing Preceptorship (2) ***Contact Hours: 2***
Provides clinical learning opportunities for students to apply leadership and management theories in the management of individuals, families, communities or populations adapting to internal and external dimensions in a variety of healthcare settings. Emphasizes the leadership and management roles of the baccalaureate nurse. Integrates evidence-based practice, quality improvement, patient safety, information technology and healthcare policy. *Prerequisite(s): Admission to the RN Mobility Program. Co-requisite(s): NSG 4430*

NSG 4440 Research and Evidence for the Practicing Registered Nurse (3)
Designed for practicing registered nurses to develop knowledge and understanding in the research process, to become research consumers, and evaluate and integrate current evidence for best practice. Examines the interrelationships among theory, practice, and research. Emphasizes the ethical and legal considerations in the conduct of research and appraisal of evidence. Incorporates professional writing skills in the appraisal and dissemination of evidence. *Prerequisite(s): Admission to RN Mobility Program; PSY 3301, QM 2241 OR STAT 2210*

NSG 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course*.

NSG 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. Note: This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

PHILOSOPHY

PHI 2201 **Introduction to Political Philosophy (3)**
Major Classical sources of political thought and the application of these sources to contemporary political issues.

PHI 2203 **Introduction to Philosophy (3)**
Brief history of philosophical ideas and the basics of Aristotelian logic.

PHI 2204 **Ethics and the Modern World (3)**
An introduction to basic ethics and to contemporary ethical issues.

PHI 2205 **Introduction to Logic (3)**
An introduction to the basic concepts, principles, and methods of argument analysis and evaluation.

PHI 2206 **Philosophy of Art and Art of Life (3)**
This class will introduce students to the fundamental concepts of "Aesthetics," or the "Philosophy of Art," focusing on such issues as Realism, Expressionism, Formalism, and Post-Modern Art with reference to actual works of art, while also exploring the role of art and the aesthetic experience as enriching components of life.

PHI 2210 **Critical Thinking (3)**
Examines problem solving techniques; decision making; basic concepts of inductive and deductive reasoning. Promotes reasoning skills applicable to career- and real-life situations.

PHI 2215 **General Topics in Philosophy (3)**
An examination of a designed topic of special and/or current interest and importance generally not covered in regularly offered courses by the department. This course may be repeated once for credit.

PHI 2280 **Travel Study in Philosophy (1-3)**
Supervised investigation of relevant topics in philosophy through travel-study abroad or within the interior of United States. may be repeated for credit with permission of instructor. *Prerequisite(s): Permission of instructor Course*

PHI 3301 **Western Philosophy (3)**
Survey of philosophical ideas from the ancient Greeks through the 20th century.

PHI 3310 **Applied Ethics (3)**
Advanced study of the ethical issues that arise in such intellectual endeavors as medicine, law, business, military science, engineering, etc.

PHI 3320 **Non-Western Philosophies (3)**
Introduces students to the philosophical traditions of the non-western world. Emphasis is on non-contemporary traditions of metaphysics, cosmology, ethics, philosophy of religion, social and political philosophy and logic.

PHI 3322 **Philosophy of Religion (3)**
Examines philosophical issues relating to religion, including arguments for and against God's existence, the problem of evil, the relation between divine foreknowledge and human freedom, the relation between religion and science, the problem of faith and reason, and personal immortality.

PHI 3365 **Bioethics in Historical Context (3)**
Examines moral problems in biomedical and scientific research, including ethical issues surrounding research involving human and animal subjects, eugenics, the human genome project, cloning and stem cell research.

PHI 3380 **Travel Study in Philosophy (1-3)**
Supervised investigation of relevant topics in philosophy through travel-study abroad or within the interior of the United States. May be repeated for credit with permission of instructor. *Prerequisite(s): Permission of Instructor*

PHI 4493 **Guided Independent Study (1-3)**
Guided independent study of a designed topic of special interest. *Prerequisite(s): PHI 2203 or PHI 2204 or permission of instructor*

PHI 4494 **Guided Independent Study (1-3)**
Guided independent study of a designed topic of special interest. *Prerequisite(s): PHI 2203 or PHI 2204 or permission of instructor*

PHI 4495 **Selected Topics in Philosophy (3)**
Advanced study of a designed topic of special interest. *Prerequisite(s): PHI 2203 or PHI 2204 or permission of instructor.*

PHI 4499 **Internship in Philosophy (1-3)**
Supervised work in an agency that can provide practical experience in the field of study. Course may be repeated for credit with permission of instructor. *Prerequisite(s): Senior standing, at least 2.5 GPA, 12 hours in upper-division courses in the field, and permission of supervising instructor, department chair, and/or dean.*

PHYSICS

PHY 2252 **General Physics I (3)**
An introduction to the laws of mechanics and thermodynamics. *Prerequisite(s): MTH 1114. Co-requisite(s): PHY L252*

PHY L252 **Physics I Lab (1)**
Laboratory work emphasizes basic principles of mechanics and thermodynamics, the use of measuring instruments, and the interpretation of data. *Co-requisite(s): PHY 2252 or PHY 2262*

PHY 2253 **General Physics II (3)**
An introduction to the laws of optics, electricity and magnetism. *Prerequisite(s): PHY 2252/PHY L252. Co-requisite(s): PHY L253*

PHY L253 **Physics II Lab (1)**
Laboratory work emphasizes basic principles of electricity, magnetism and optics, the use of

measuring instruments, and the interpretation of data. *Co-requisite(s): PHY 2253 or PHY 2263*

PHY 2262 **Physics I with Calculus (3)**
Introduction to the principles and laws of mechanics and thermodynamics, utilizing the methods of calculus. *Co-requisite(s): MTH 1125 or higher math course, PHY L252*

PHY L262 **Physics I with Calculus Lab (1)**
Laboratory work emphasizes basic principles of thermodynamics and mechanics, the use of measuring instruments, and the interpretation of data. *Co-requisite(s): PHY 2262*

PHY 2263 **Physics II with Calculus (3)**
Introduction to the principles of electricity, magnetism and optics, utilizing the methods of calculus. *Prerequisite(s): PHY 2262/PHY L252. Co-requisite(s): PHY L253*

PHY L263 **Physics II with Calculus Lab (1)**
Laboratory work emphasizes basic principles of electricity, magnetism and optics, the use of measuring instruments, and the interpretation of data. *Co-requisite(s): PHY 2263*

PHY 3310 **Modern Physics (3)**
Topics covered include special relativity, quantum mechanics, statistical physics, and nuclear physics. *Prerequisite(s): MTH 1126, PHY 2263/PHY L253. Co-requisite(s): PHY L310*

PHY L310 **Modern Physics Lab (1)**
Selected experiments in modern physics. *Co-requisite(s): PHY 3310*

PHY 3320 **Mathematical Methods for Physicists (3)**
In this course, students will develop a basic understanding of the mathematical skills necessary to undertake a study in Dynamics, Electromagnetism, and Quantum Physics. *Prerequisite(s): MTH 1126*

PHY 3321 **Scientific Computing (3)**
Computational methods in Engineering and Physics. *Prerequisite(s): PHY 3320*

PHY 3325 **Thermodynamics (3)**
In this course, students will be introduced to the basic principles of thermodynamics. Topics include, energy conservation, entropy, isolated systems at constant pressure and temperature and the corresponding thermodynamic potentials. Students will learn to apply these principles to other branches of science and engineering. *Prerequisite(s): PHY 3310/PHY L310*

PHY 3326 **Introduction to Astrophysics (3)**
This course is meant as an introduction to astrophysics. Topics include astronomical measurement, celestial mechanics, electromagnetic, radiation, stellar structure and evolution and stellar remnants. *Prerequisite(s): PHY 2263/PHY L253, MTH 1126*

PHY 3328 **Introduction to Cosmology (3)**
In this introductory course on physical Cosmology, students will learn about the modern theories of origin of the universe and the evidence that support it. Topics covered include the large-scale structure of the universe, the cosmic microwave background radiation, dark matter, dark energy, and other open problems in cosmology. *Prerequisite(s): MTH 1126, PHY 3310*

PHY 3359 **Waves and Optics (3)**
Topics of study in this course will include properties of waves, image formation, refraction, diffraction, origin of spectra, polarized light, and optical activity. *Prerequisite(s): PHY 2253/PHY L253 or PHY 2263/PHY L253. Co-requisite(s): PHY L359*

PHY L359 **Waves and Optics Lab (1)**
Students will conduct selected experiments in waves, geometric and physical optics. Laboratory work emphasizes the basic principles of optics, the use of measuring instruments, and the interpretation of data. *Co-requisite(s): PHY 3359*

PHY 4420 **Mechanics (3)**
Introduction to the kinematics and dynamics of particles: escape and terminal velocity, drag, rotational motion and rotating frames, Foucault pendulum, planetary motion and Kepler's laws. *Prerequisite(s): PHY 2253/PHY L253 or PHY 2262/PHY L252 and MTH 1126*

PHY 4435 **Electricity and Magnetism (3)**
Topics include static electric and magnetic phenomena. electric and magnetic potentials, motion of charged particles, dielectric and magnetic media, and fields in conductors. *Prerequisite(s): PHY 2263/PHY L253, MTH 2227*

PHY 4438 **Electromagnetic Fields (3)**
Topics include electric and magnetic circuit elements. Maxwell's equations and boundary condition problems in one, two and three dimensions. *Prerequisite(s): PHY 4435*

PHY 4440 **Dynamics of Particles & Systems (3)**
Introduction to the dynamics of rigid body rotation, calculus of variations and minimization and the canonical formalism. *Prerequisite(s): PHY 4420*

PHY 4445 **Quantum Mechanics I (3)**
Introduction to the principles of quantum mechanics, one dimensional systems including the square well and the simple harmonic oscillator, uncertainty relations and multi-particle systems. *Prerequisite(s): PHY 3310, MTH 2227 or PHY 3320*

PHY 4446 **Quantum Mechanics II (3)**
Topics include quantum mechanics higher dimensional systems, angular momentum in quantum mechanics, spin, the Hydrogen atom, addition of angular momentum, WKB approximation, and perturbation theory. *Prerequisite(s): PHY 4445*

PHY 4460 **Relativity I (3)**

Topics include Lorentz transformation, inertial coordinates, causal Structure of Spacetime, equivalence principle, gravitational effects in SR, curved Spacetime, and introduction to black holes. *Prerequisite(s): Permission of Instructor*

PHY 4475 **Particle Physics (3)**
The basic building blocks of matter and their interactions will be developed emphasizing their relationship to symmetry groups. We will introduce the photon, basic quantum electrodynamics, and introduce Feynman rules for interacting theories. *Prerequisite(s): PHY 4445*

PHY 4478 **Relativity II (3)**
Topics include rotating black holes, Hawking radiation, cosmology, tensor calculus, and Einstein field equations. *Prerequisite(s): Permission of instructor*

PHY 4483 **Seminar in Relativity (1)**
Selected topics of interest within the field of relativity. *Note: May be taken up to three times for credit.*

PHY 4484 **Seminar in Relativity (1)**
Selected topics of interest within the field of relativity. *Note: May be taken up to three times for credit.*

PHY 4485 **Seminar in Relativity (1)**
Selected topics of interest within the field of relativity. *Note: May be taken up to three times for credit.*

PHY 4490 **Travel Study in Physics (1-3)**
Supervised investigation of relevant topics in Physics through travel-study abroad or within the interior of the United States.

PHY 4491 **Guided Independent Research (1-4)**
A physics research project under the direction of a faculty member. The project must culminate in a written report with the results reported at a department seminar. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 4 credits hours per course per semester. *Prerequisite(s): Senior standing with a minimum overall GPA of 3.0, or permission of department chair. Guided Independent Research may be taken only in the applicant's major or minor field.*

PHY 4492 **Guided Independent Research (1-4)**
A physics research project under the direction of a faculty member. The project must culminate in a written report with the results reported at a department seminar. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 4 credits hours per course per semester. *Prerequisite(s): Senior standing with a minimum overall GPA of 3.0, or permission of department chair. Guided Independent Research may be taken only in the applicant's major or minor field.*

PHY 4493 **Guided Independent Study (1-4)**
Independent study for advanced students under the direction of a faculty member. *Prerequisite(s): Permission of department chair. Also see index for "Independent Study and Research".*

PHY 4494 **Guided Independent Study (1-4)**
Independent study for advanced students under the direction of a faculty member. *Prerequisite(s): Permission of department chair. Also see index for "Independent Study and Research".*

PHY 4495 **Topics in Physics (3)**
Focus on a topic of timely nature and/or special interest. *Prerequisite(s): Permission of instructor*

PHY 4498 **Internship in Physics (1-3)**
Supervised work experience in the biotechnology industry, governmental agency, business, or other working environment in which a student will learn and apply pertinent professional skills.

PHY 4499 **Senior Seminar (2)**
The main objective of this course is to complete a research project in physics. You will be bringing together many of the ideas presented to you in your physics classes. In addition, you will need to acquire skill in project definition, time management, project completion timeline and schedule, clear and concise writing, and project presentation. *Prerequisite(s): Permission of the instructor*

POLITICAL SCIENCE

POL 1101 **Pop Culture and Politics (3)**
In this class, we will spend time learning how to define "politics" and "popular culture" so that we can understand how they interact. We will identify examples of politics being expressed in popular culture, and explore times when popular culture appears to have affected politics.

POL 1110 **Social Media and Politics (3)**
This class will examine digital media as a political tool. Students will learn positive and negative aspects of politics in the digital age, and they will actively engage in the political process through digital media.

POL 2240 **Honors American National Government (3)**
This course explores the stable political values that frame the US Constitution and have guided our societal environment for two hundred years. The course is intended for superior students and political science majors.

POL 2241 **American National Government (3)**
A study of the Constitution, federalism, the Presidency, Congress, the courts, and politics on the national level.

POL 2260 **World Politics (3)**
An investigation of the development of political processes across national boundaries in the global

system. Topics include international security, comparative government, international political economy, international organizations, and new global issues.

POL 2270 **Terrorism and Counterterrorism (3)**
This introductory course introduces students to the study of terrorism and a discussion and critique of common counterterrorist strategies. It conceives terrorist violence as a politically motivated act employed to yield calculated political results. Thus, the goal of the course is to examine theoretical explanations of terrorist violence, the history of terrorism as a political strategy, and the difficulties encountered by states seeking to engage in counterterrorism.

POL 2275 **Elections (3)**
This course examines the process by which citizens of democratic societies elect their political leaders. Not limited to elections in the U.S., this course emphasizes the role of elections in democratic theory, the electoral process and how it has changed over time, how citizens process the information needed to make decisions in elections and the role of the media, as well as the impact the gerrymandering and demobilization efforts have on electoral outcomes.

POL 3300 **Foundations of Political Science (3)**
An introduction to the discipline of political science, this course offers an overview of the subfields and methods within the discipline.

POL 3330 **Political Theory (3)**
An examination of selected advanced sources of classical and modern political theory. Theoretical perspectives, which are prominent in contemporary political science, are investigated.

POL 3338 **Women in Politics (3)**
This course identifies and analyzes the political, social, and economic trends and issues facing women in politics. The course examines political theories and focuses on public policies that shape women's political agency.

POL 3339 **African-American Politics (3)**
This course examines political theories and focuses on public policies that have an influence on African American political engagement. Topics will vary and include the Civil Rights Movement, influential African American political actors and racism in American public policy.

POL 3340 **U.S. Government - Executive Branch (3)**
An analysis of the American Presidency in the context of the Constitution, American political processes, national security, public opinion, and other branches of American government.

POL 3341 **U.S. Government - Legislative Branch (3)**
An analysis of the structure and dynamics of the U.S. Congress in the context of its relationships to the Constitution, the presidency, the judiciary, and domestic and international political processes.

POL 3342 **U.S. Government - Judicial Branch (3)**
An analysis of the American federal judiciary in the context of its relationships to the Constitution, American political processes, the legislative and executive branches, state governments, and public opinion.

POL 3343 **American Political Processes (3)**
This course examines key topics in U.S. politics, specifically looking at national problems, actors and proposed solutions.

POL 3351 **International Relations (3)**
This course provides a comprehensive investigation of thinking about the relationship of both state and non-state actors in the international arena. It offers a framework for the further analysis of the discipline of International Relations including the principal schools of IR theory, foreign policies of states, state security, and the economic relationships between states within a global political context.

POL 3355 **Southern Politics (3)**
This course examines the history and processes of Southern politics, including the one-party system, the exclusion of African-Americans and poor whites from political processes, the role of Southerners in the U.S. Senate and House of Representatives, and current voting patterns and political habits of the region.

POL 3356 **Politics in Film (3)**
This course will use film and television as a way to explore a variety of political themes, political actors and institutions, notable events of political and social concern, as well as other issues of interest in the current public discourse.

POL 3364 **State and Local Politics (3)**
An investigation of political processes and organization at the state and local level in the United States.

POL 3390 **The Art of Political Science Research (3)**
This course introduces students to the art and process of consuming and conducting political science research. *Prerequisite(s): POL 3300*

POL 4402 **Political Geography (3)**
An analysis of the reciprocal effects of geography and political organization on the behavior of states, including boundaries, national resources, spatial strategies, and maritime power.

POL 4405 **Political Behavior and Public Opinion (3)**
This course focuses on political behavior and public opinion, both of which play important roles in democratic governance. The course surveys the major concepts of importance and some of the major scholarly debates in the areas of behavior and opinion research. It is also designed to teach students how political scientists study actions and attitudes relevant to contemporary politics. Although the course concentrates mainly on the role that behavior and opinion play in US politics,

comparisons will be made to other countries. *Prerequisite(s): POL 3390*

POL 4410 International Political Economy (3)
An examination of the interrelationships between international politics and economics; states and markets, trade, foreign investment, international monetary affairs, foreign aid, state development strategies, and globalization.

POL 4415 International Conflict (3)
This course provides a detailed examination of patterns of international conflict and methods employed to manage them. Specific episodes of international conflict will be investigated.

POL 4420 Constitutional Law (3)
A survey of the legal, political, and methodological problems in constitutional law.

POL 4421 Introduction to Public Administration (3)
An introduction to the historical, institutional, and political context of the profession; current trends and issues; and the role of public administration in the larger governmental system.

POL 4422 Public Policy Making (3)
An introduction to the processes by which American public policy is formulated, implemented, and evaluated and the roles of policy analysts in solving various public problems.

POL 4424 Contemporary American Foreign Policy (3)
This course examines the foreign policy processes of the United States: historical traditions, political institutions, economic and military capabilities, the Congress, the Presidency, interest groups, the media, and public opinion.

POL 4425 American Law Seminar (3)
This course provides an advanced overview of American jurisprudence. To this end, we will focus on case law in a number of common law subjects, specifically constitutional law, criminal law and procedure, torts, contracts, and property. We will also cover legal and cultural history, jurisprudence, and ethics topics in order to promote a better understanding of the role that law plays in a modern, liberal democratic society.

POL 4426 Trial Procedures - Civil Law (3)
This course is designed to introduce students to the use of legal reasoning and argument in the context of trial advocacy. Students will develop skills in formulating, presenting, and critiquing legal arguments. Students will explore the sources of civil law, the theory behind the adversarial system, and the various procedural and evidentiary rules in place to achieve the system's goals. Throughout the semester, students will apply what is learned through mock trials in class and in one or more scrimmages/tournaments with other schools. **Note:** Students make take POL 4426 and POL 4436 for credit. *Prerequisite(s): Must have instructor permission to enroll in the course.*

POL 4432 Comparative Public Policy (3)
This course examines the process of policy making in a cross-comparative framework that illustrates how different nation states formulate and implement public policy.

POL 4433 Comparative Government (3)
A comparative analysis of state governments in the world with an emphasis upon political cultures, governmental institutions and political processes.

POL 4436 Trial Procedures - Criminal Law (3)
This course is designed to introduce students to the use of legal reasoning and argument in the context of trial advocacy. Students will develop skills in formulating, presenting, and critiquing legal arguments. Students will explore the sources of criminal law, the theory behind the adversarial system, and the various procedural and evidentiary rules in place to achieve the system's goals. Throughout the semester, students will apply what is learned through mock trials in class and in one or more scrimmages/tournaments with other schools. **Note:** Students may take POL 4426 and POL 4436 for credit. *Prerequisite(s): Must have instructor permission to enroll in the course*

POL 4440 Advanced Research Methods (3)
Development and application of critical thinking skills necessary for applied research and data analysis. Students apply these advanced methodologies to issues, programs, and research problems in political science. *Prerequisite(s): POL 3390*

POL 4445 Inter-American Relations (3)
This course examines the relationship between the United States and the remainder of the Western Hemisphere, with an emphasis on historical and contemporary Latin American relations.

POL 4450 Latin American Politics (3)
An introduction to the social and political institutions of Latin America.

POL 4451 Public Personnel Administration (3)
A survey of the basic principles and functions of personnel administration in the public service and of the current strategies for managing recruitment, placement, salary and benefit strategies, training, retirement, and other personnel functions.

POL 4452 International Law (3)
This course examines the sources and development of international law. It will include a comprehensive investigation of state sovereignty, jurisdiction, the role of the United Nations, the regulation of the use of force in world affairs, and international human rights law.

POL 4453 Bureaucratic Politics (3)
A study of the theories of organizations and their structures as they affect the policymaking environment.

POL 4460 Intercultural Relations (3)

An analysis of the influence of culture on interstate relations including theories, concepts, and applications.

POL 4462 Politics in China (3)
This course provides an introduction to the contemporary political system and economic development of China. There are four broad themes in this course: 1). Economic reform and how Chinese government blend capitalism and communism/socialism together; 2). Political Institutions and policy making; 3). State-Society Relations; 4). Key challenges facing the CCP government.

POL 4464 Arab-Israeli Conflict (3)
This course focuses on the Arab-Israeli conflict since 1948 with a special focus on the challenges to conflict resolution on both the Arab and Israeli sides and the role great powers play in Middle Eastern politics.

POL 4465 Politics of the Developing World (3)
This course examines the political and economic challenges faced by developing states. Theories and models of development will be analyzed in a variety of ways.

POL 4466 Middle Eastern Politics (3)
An introduction to the social and political institutions of the contemporary Middle East.

POL 4467 Asian Politics (3)
An introduction to the social and political institutions of Contemporary Asia.

POL 4468 Russian Politics (3)
This course provides an introduction to Soviet, post-Soviet, and Russian politics and the way we in the West study and think about them. Primary attention will be directed to post-1991 (i.e., post-Soviet) political institutional, elite, and policy concerns.

POL 4469 Religion in Politics (3)
This is a course that deals with the intersection of two contentious topics in the United States, religion and politics. Students will learn how social scientists study religion, and they will focus on the manner in which religion interacts with and influences various aspects of American politics.

POL 4470 European Politics (3)
An introduction to the social and political institutions of contemporary Europe.

POL 4472 Administrative Law (3)
This course examines the legal environment in which government agencies function. Topics will include agency discretion, rule-making, investigations, the liability of governments and their officers, and selected course cases and decisions.

POL 4474 Terrorism and Political Violence (3)
This course is designed to introduce students to the origins and significance of contemporary political violence with an emphasis on the phenomenon of terrorism.

POL 4476 Politics of Southeast Asia (3)
This course involves the study of politics in countries such as the Philippines, Indonesia, Vietnam, Laos, Kampuchea, Malaysia, Singapore, Brunei, Myanmar, and Thailand. It investigates the historical and cultural factors contributing to their political relationships within the region and internationally.

POL 4479 Study Abroad in Political Science (1-3)
Guided investigation of different political systems and political cultures through study abroad. Students will work closely with faculty prior to and during a study abroad trip to understand these political systems and cultures. Student can earn from 1-3 credit hours. *Prerequisite(s): Must have permission of the instructor and the Chair of the Political Science Department to register for this class.*

POL 4490 Internship in Political Science (1-4)
Supervised work in an agency that can provide practical experience in the field of study. *Prerequisite(s): Senior standing and approval of supervising instructor and the department chair*

POL 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

POL 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

POL 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This*

course may not be substituted for any required course.

POL 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

POL 4495 **Selected Topics in Political Science (3)**
Examines selected topics of a timely nature and/or special interest within the field of political science.

PUBLIC RELATIONS JOURNALISM

PRJ 2230 **Principles of Public Relations and Advertising (3)**
Examines the communication and persuasion concepts underpinning public relations and advertising in addition to the history, role, ethical and professional standards, strategic planning and tactical planning of strategic communication.

PRJ 3321 **Public Relations Cases and Strategies (3)**
Case study and project-based approach to public relations research, strategy setting and tactical implementation. *Prerequisite(s): PRJ 2230*

PRJ 3375 **Public Relations Writing (3)**
Designed for non-journalism majors, this course focuses on developing the professional writing skills required for public relations practitioners, AP style and how to write effectively for clients, the media and for online publications.

PRJ 4419 **Advanced Public Relations Tactics (3)**
Equips students with practical experience in preparation of public relations messages for a client. This course is limited to juniors and seniors. *Prerequisite(s): PRJ 3321 and ADJ 3322*

PRJ 4423 **Public Relations Campaigns (3)**
Advanced course applying public relations theory and best practices resulting in the creation of a complete public relations campaign for a client. This course is limited to juniors and seniors. *Prerequisite(s): PRJ 3321 and ADJ 3322*

PSYCHOLOGY

PSY 2200 **Introduction to Psychology (3)**
A survey of the basic theories, concepts, principles, and research findings in the field of psychology.

PSY 2201 **Honors General Psychology (3)**
A survey of the basic theories, concepts, principles, and research findings in the field of psychology.

PSY 2205 **Psychology of Adjustment (3)**
A course in mental health, designed to assist the individual in making a good adjustment to the changing requirements of the environment.

PSY 2210 **Developmental Psychology (3)**
A study of human development across the life-span with emphasis on psychosocial, physical, emotional, and cognitive changes.

PSY 2230 **Orientation to the Psychology Major**
Introduction to the language of psychology, APA writing style, and library research. Also includes an over view of career paths in psychology.

PSY 3301 **Basic Statistics (3)**
An introduction to descriptive and inferential statistical concepts, methods, and tools. Topics to be covered include basic terminology, measurement, data description, probability, hypothesis testing, and inferential tests (parametric and non-parametric). May be used for Sociology credit. *Prerequisite(s): MTH 1110 or higher, with a grade of C or above*

PSY 3304 **Abnormal Psychology (3)**
The study of mental disorders emphasizing their etiology, classification and amelioration as described in the current classification system of the American Psychiatric Association.

PSY 3309 **Advanced Statistics (3)**
Advanced quantitative methods in psychology. Topics include linear regression, analysis of variance, non-parametric techniques, estimation procedures, individual and multiple comparisons, and experimental design. *Prerequisite(s): PSY 3301*

PSY 3310 **Sensation and Perception (3)**
A study of how sensory information helps both the human species and other animals to thrive. Exploration of the senses including their physiological makeup, development and functioning. Theoretical and empirical foundations of perception and the applications of perceptual knowledge are emphasized. *Prerequisite(s): Six semester hours of psychology and sophomore standing or above*

PSY 3311 **Research Methods (3)**
An introduction to the design, analysis, and interpretation of behavioral research, including strategies for reviewing scientific literature and organizing a research report. *Prerequisite(s): PSY 2230 and PSY 3301*

PSY 3312 **Psychology of Women (3)**

The study of women's experience and gender issues in the context of psychological theory and research.

PSY 3315 - Cultural and Diversity Psychology (3)
This course is a theoretical and empirical analysis of how culture is connected to human behavior. Global cultural differences and perspectives will be discussed including research studies, theory, and comparative analyses (i.e., Eastern vs. Western comparative analyses). Discussions will include human behavior across different countries, the evolution of culture, self and personality, mental and physical health, and living in multicultural worlds. Diversity topics will cover such issues as gender, ethnicity, classism, disability, worldviews, and role constructions. Diversity discussions will include stereotypes, biases, ageism, ableism, and gender role development. Sexual orientation and evolving cultural laws will be examined.

PSY 3316 Mixed Methods Research (3)
This course examines the advantages and techniques of mixing quantitative research methods in order to answer scientific questions within the field of psychology and other related fields. By learning how to integrate qualitative methodologies, when appropriate, students should gain an understanding that research should be guided by the questions we want to answer and not limited by the methodologies we prefer. Students will learn techniques for collecting, analyzing, integrating, interpreting, and reporting data from mixed methods research. *Prerequisite(s): PSY 3301*

PSY 3317 Ethics in Research and Practice (3)
This course introduces the student to ethical practices in psychology by focusing on the underlying principles of the 80 standards of the APA Ethics Code. The course begins by covering the basics of the APA Ethics Code, including a brief history and an overview of general concepts. Next, it explores the four ethical concepts applicable to all psychologists: competence, informed consent, privacy and confidentiality, avoiding harm and exploitation. Finally, it relates these key concepts to specific situations, including assessment, treatment, research and publication, and teaching and supervision.

PSY 3320 Child Psychology (3)
The development of children from conception to puberty. Includes physical, cognitive, perceptual, language, social and emotional development.

PSY 3322 Abnormal Child Psychology (3)
A study of theories, research, etiology, assessment, diagnosis, and treatment of mental disorders first seen in childhood or adolescence as defined by the current edition of the Diagnostic and Statistical Manual of Mental Disorders. Includes such disorders as ADHD, conduct disorders, anxiety, depressive disorders, trauma-and-stressor-related disorders, intellectual disability, and autism spectrum disorder.

PSY 3325 Adolescent Psychology (3)
Adolescents from puberty to early adulthood. Includes physical, cognitive, social, emotional, and personality development in cultural context.

PSY 3330 Health Psychology (3)
This course studies the science that connects behavior to health, including psychological processes and the relationship between health and human behavior.

PSY 3332 Family Violence (3)
An in-depth study of violence in families, including spousal abuse, child abuse, elder abuse, relationship dynamics, protection services, treatment programs, legal defense strategies, and current legislation. *Note: May be taken for psychology or sociology credit, but not both.*

PSY 3340 Psychology of Learning (3)
Introduction to learning and behavior in human and nonhuman animals, including fundamental principles and findings from laboratory investigations of classical, instrumental, cognitive, and social learning.

PSY 3346 Educational Assessment (3)
This course provides a study of measurement and evaluation techniques for the classroom teacher. Emphasis will be placed on the selection, evaluation, administration, scoring and interpretation of selected measures of student performance, achievement and behavior. The student will demonstrate skills in utilizing measurement data to plan appropriate learning activities for students. **Note:** May not be used to meet the requirements for the psychology major or minor. *Prerequisite(s): Admission to TEP*

PSY 3351 Theories of Learning (3)
Critical analysis of the major theories of learning, including the works of Pavlov, Thorndike, Guthrie, Tolman, Hull, Skinner, and Mowrer.

PSY 3360 Forensic Psychology (3)
Forensic psychology is the application of the science and profession of psychology to questions and issues relating to law and the legal system. This course will introduce students to the specialty area of forensic psychology. Particular emphasis will be on applied aspects of the field. *Prerequisite(s): Six semester hours of psychology*

PSY 3365 Human Factors Psychology (3)
Analysis of theoretical issues and research methods related to the interaction between people and machines and human performance. Topics include information processing theory, human control systems and displays, task simulation, perceptual and motor factors limiting human performance. *Prerequisite(s): Six semester hours of psychology*

PSY 3370 Comparative Psychology (3)
This course examines the development, causal mechanisms, evolutionary history, and function of the behavior of animals, including humans.

PSY 3380 Social Psychology (3)

A theoretical and empirical analysis of social behavior, including selected topics related to social perception, social influence, social interaction, and applied social psychology.

PSY 3385 Evolutionary Psychology (3)
An examination of human behavior and cognition from an evolutionary perspective.

PSY 3390 Special Topics in Psychology (3)
An examination of selected topics or issues in psychology. May be repeated for credit when course content varies. *Prerequisite(s): Six semester hours of psychology*

PSY 4400 Advanced General Psychology (3)
A comprehensive study of the discipline of psychology designed to expand the student's depth and breadth of knowledge in psychology. *Prerequisite(s): Senior status (90 semester hours of undergraduate courses) and a minimum of 15 semester hours of psychology*

PSY 4401 Psychological Tests and Measurements (3)
Selection, evaluation, administration, scoring, interpretation and uses of tests of intelligence, proficiency, interests, personality, aptitude and social adjustment. *Prerequisite(s): Additional three semester hours of psychology*

PSY 4402 Principles of Counseling (3)
Overview of major counseling theories and techniques, interviewing, assessment, professional issues and ethics, and a review of research and practical problems. *Prerequisite(s): Six semester hours of psychology*

PSY 4405 Experimental Psychology (3)
Various techniques for conducting scientific research in psychology will be discussed. Course objectives include designing and conducting an experiment as well as analyzing and reporting the results. *Prerequisite(s): PSY 2230 and PSY 3301*

PSY 4410 Industrial/Organizational Psychology (3)
Application of psychology in business and industry, including employee selection, performance appraisal, motivation, organizational psychology, consumer motivation, group structures, and personnel problems.

PSY 4420 Physiological Dynamics of Alcohol and Other Drugs (3)
Study of physiological and psychological dynamics and resultant behavioral implications in use of alcohol and other drugs. Based on assessment of dynamics and behavior and application of diagnostic procedures using appropriate manuals and materials.

PSY 4421 Physiological Psychology (3)
The physiological correlates of behavior will be examined, including such topics as neurotransmitters and hormones, drugs, and the biological roots of mental disorders. *Prerequisite(s): PSY 2230 and an additional three semester hours of psychology*

PSY 4430 Intro to Substance Abuse Counseling (3)
This course provides an introduction to substance abuse counseling through studies of mind-altering substances; etiological theories of addiction; assessment interviewing and screening tests; individual, group, family, and other treatment options; relapse prevention; and community prevention programs.

PSY 4434 Drug Education, Prevention and Intervention (3)
A study of commonly abused drugs, drug abuse prevention, and treatment techniques. Examines characteristics of people at high risk to become substance abusers/addicted.

PSY 4435 Treatment of Addictive Family Diseases (3)
A study of typical characteristics of dysfunctional families. Provides the basis for suggested intervention techniques, appropriate areas of family education, and guidelines for effective therapy.

PSY 4436 Treatment Theories and Modalities of Addictive Diseases (3)
A study of historical perspectives and the most effective treatment and assessment approaches of addictive diseases.

PSY 4450 Theories of Personality (3)
Critical analysis of major theories and systems of personality. *Prerequisite(s): Six semester hours of psychology*

PSY 4451 History and Systems of Psychology (3)
Study of the development of psychology from its historical antecedents with special emphasis placed on contemporary schools and systems of psychological thought. *Prerequisite(s): PSY 2230 and Senior Status (90 semester hours of undergraduate courses)*

PSY 4456 Gerontology (3)
The study of aging. Emphasis on biomedical, psychological, and social aspects of middle and late adulthood.

PSY 4459 Foundations of Behavior Analysis (3)
Topics covered in this course include, but are not limited to, the basic concepts and principles of operant and respondent conditioning, and the underlying theoretical and philosophical foundations of behavior analysis (i.e., behaviorism).

PSY 4460 Cognitive Psychology (3)
A study of human intellectual functioning including attention, perception, memory, problem solving, reasoning and language. *Prerequisite(s): PSY 2230 and an additional three semester hours of psychology*

PSY 4463 Organizational Behavior Management (3)
Topics covered in this course include, but are not limited to, performance analysis and management, supervision, staff training, behavioral systems analysis, organizational culture, and leadership.

PSY 4470 **Advanced Theories of Developmental Psychology (3)**
Comparative study of major developmental theories from the exogenous, endogenous, and constructivist paradigms. Includes history, structural components, contributions, criticisms, evaluation, and relevant research of each theory. *Prerequisite(s): Six semester hours of psychology*

PSY 4474 **Research Methods of Behavior (3)**
Topics covered in this course include, but are not limited to, measurement, data display and interpretation, single-case designs, and intervention and program evaluation.

PSY 4476 **Behavioral Intervention (3)**
Topics covered in this course include, but are not limited to, the selection and implementation of intervention techniques and approaches from applied behavior analysis as well as culturally competent service delivery. *Prerequisite(s): PSY 4459*

PSY 4477 **Behavioral Assessment (3)**
Topics covered in this course include, but are not limited to, the selection and implementation of behavior assessment from applied behavior analysis as well as an introduction to multiculturalism and diversity in the field of Applied Behavior Analysis. *Prerequisite(s): PSY 4459*

PSY 4478 **Ethics in Behavior Analysis (3)**
Topics covered in this course include, but are not limited to, ethical principles, the Behavior Analysis Certification Board's (BACB) ethics code and requirements, the BACB's code-enforcement mechanisms, professionalism as well as issues related to diversity, equity, and inclusion.

PSY 4480 **Senior Seminar in Psychology (3)**
A capstone course designed to integrate subject matter learned in previous courses, encourage critical analysis of contemporary issues, and contemplate future educational and employment opportunities in psychology. *Prerequisite(s): Senior standing*

PSY 4485 **Psychology Study Aboard (1-3)**
This course explores the relationship between culture and human behavior through a study abroad or within the interior United States on topics in psychology. Students will examine cultural influences on behavior, gaining firsthand insights into how diverse settings shape psychological principles and practices.

PSY 4490 **Field Experience in Psychology I (3)**
This course is designed to provide students majoring or minoring in psychology with practical work experience in a psychology-related work setting within an approved agency or business. Students are required to complete a minimum of 45 documented, supervised clock hours during the semester or term in which enrolled in the course (transportation not provided). This class meets once a week in a seminar format. Students are required to meet with the Field Experience instructor the semester/term prior to the class in order to secure an approved site. *Prerequisite(s): Junior or senior standing, instructor approval, and an overall institutional GPA of 3.0.*

PSY 4491 **Guided Independent Research (3)**
This course is designed to provide supervised research in the area of psychology. Opportunities for undergraduate research will be approved with attention to critical evaluation of research techniques, methods, and procedures. Selection of the problem must be approved by the professor under whom the study is to be conducted and the department chair or dean. A written request is to be submitted to the department chair at least two weeks in advance of the term in which study is to be undertaken. Preparation of a scholarly paper and oral defense may be required. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** May not be used to repeat a course for which a grade of D or below has been earned. This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

PSY 4492 **Guided Independent Research (1-3)**
This course is designed to provide supervised research in the area of psychology. Opportunities for undergraduate research will be approved with attention to critical evaluations of research techniques, methods, and procedures. Selection of the problem must be approved by the professor under whom the study is to be conducted and the department chair or dean. A written request is to be submitted to the department chair at least two weeks in advance of the term in which study is to be undertaken. Preparation of a scholarly paper and oral defense may be required. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** May not be used to repeat a course for which a grade of D or below has been earned. This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

PSY 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This*

course may not be substituted for any required course.

PSY 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course*.

PSY 4495 **Field Experience in Psychology (3**)
This course is designed to provide students majoring or minoring in psychology with practical work experience in a psychology-related work setting within an approved agency or business. Students are required to complete a minimum of 45 documented, supervised clock hours during the semester or term in which enrolled in the course (transportation not provided). This class meets once a week in a seminar format. Students are required to meet with the Field Experience instructor the semester/term prior to the class in order to secure an approved site. *Prerequisite(s): Junior or senior standing, instructor approval, PSY 4490 and an overall institutional GPA of 3.0.*

QUANTITATIVE METHODS

QM 2241 **Business Statistics (3)**
This course introduces statistics and data analytics to support business decisions. Topics include probability, descriptive, and inferential statistics. *Prerequisite(s): MTH 1112 or higher*

QM 3342 **Decision-Making and Data Analytics (3)**
This course introduces qualitative and quantitative analytic techniques applicable to business and economics and how these techniques may be applied to critical thinking and decision-making skills. Topics include individual and group decision-making, decision-making biases, decision modeling, and decision analysis. *Prerequisite(s): Lower-level Business Core*

QM 3345 **Operations Management (3)**
A study of how organizational processes add value as they convert inputs to outputs. Topics covered include the strategic relationship of operations with other functional organizations, value chain concepts, and quantitative methods including forecasting models, inventory models, statistical process control, process models and project management methods. The course also provides a review of current supply chain philosophies such as JIT, MRP, and EOQ inventory management methods. *Prerequisite(s): Lower-level Core, MGT 3300*

QM 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

QM 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

QM 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

QM 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course*.

READING/LITERACY

RED 0098 **Reading I (3)**
A Developmental / Remedial instruction course for those students who are deficient in basic reading skills such as word recognition comprehension and study skills. A placement test will be required. *Note: May not be audited. Institutional credit only.*

RED 3310 Literacy Foundations I (3)
This course develops knowledge and strategies in literacy instruction for grades PK-6. Teacher candidates will learn strategies for promoting language and literacy development. Pedagogical instruction will be grounded in emergent literacy and science of reading research, focusing on oral language, vocabulary, phonological awareness, phonics, and writing.

RED L310 Language and Literacy Lab (1)
This course includes Lab/Field-oriented experiences designed to enhance the understanding of Literacy instruction for the K-6 learner with emphasis on child development, learning theories, individual differences, emergent and early literacy, principles of reading and language arts instruction, teaching strategies, and examination of current materials and instructional practices used in teaching literacy. *Prerequisite(s): Admission to TEP*

RED 3320 Literacy Foundations II (3)
This course develops knowledge and strategies in literacy instruction for grades PK-6. Teacher candidates will examine current theories and research from the body of science of reading research. Specific emphasis will be placed on instructional strategies in reading fluency, vocabulary, reading comprehension, and writing. *Prerequisite(s): RED 3310*

RED 3380 Children's Literature (3)
The purpose of this course is to assist undergraduate students as they investigate and construct an understanding of and techniques to incorporate children's literature across the curriculum. Pertinent topics include award-winning authors and titles found in children's literature among a variety of genre, along with developmentally appropriate instructional techniques.

RED 4401 Reading in the Content Areas (3)
This course provides a study of teaching reading in grades P-12, emphasizing methods in the content areas. *Prerequisite(s): Admission to TEP*

RED 4465 Practicum I (3)
The practicum is designed to provide a supervised experience related to instruction in the area of literacy development, which may include phonemic awareness, phonics, fluency, vocabulary, sequencing, and comprehension, among others. The application of literacy skills, concepts, and principles acquired in corequisite course work, as well as current research and evidence based literacy instructional practices, will be hallmarks of the practicum experience. *Prerequisite(s): Admission to TEP*

RED 4483 Reading Intervention Strategies (3)
This course provides an in-depth study of the principles of assessment and evaluation for improving language and literacy learning. Formal and informal methods of literacy assessment will be explored. Approaches to intervention informed by science of reading research will be introduced. Teacher candidates will document intervention within their field experiences. *Prerequisite(s): RED 3310 and RED 3320*

RED L483 Reading Intervention Strategies Lab (1)
This course includes Lab/Field-oriented experiences designed to enhance understanding of principles of assessment and evaluation for improving the language and literacy learning. *Prerequisite(s): Admission to TEP*

RED 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. Guided independent research may be taken only in the applicant's major or minor field.*

RED 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. Guided independent research may be taken only in the applicant's major or minor field.*

RED 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

RED 4494 - Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This*

course may not be substituted for any required course.

REHABILITATION

RHB 2280 **Rehabilitation Research I (3)**
Introduction to statistical analysis concepts and principles necessary for understanding research reports and for the interpretation of data. Use of microcomputer statistical programs in the analysis of univariate, bivariate, and multivariate data including parametric and non-parametric analysis techniques. Topics include descriptive techniques, averages and measures of variation, tests of statistical significance, correlation and regression, and analysis of variance. *Prerequisite(s): MTH 1110 or MTH 1112 and IS 2241*

RHB 2281 **Rehabilitation Research II (3)**
Introduction to research methodology and process with emphasis placed on the evaluation of practice. Understanding and using the journal research article as a tool for selecting appropriate intervention. Skills are built in using electronic data bases and information retrieval systems and integrated with writing skills necessary to critically evaluate the usefulness of research studies in practice application. *Prerequisite(s): RHB 2280*

RHB 3320 **Human Behavior in the Social Environment II (3)**
An examination of the social dynamics of discrimination and oppression and particularly, how discriminatory and oppressive environments have potential for negatively affecting bio psychosocial growth and development.

RHB 3330 **Introduction to Attachment Theory and Pathology in Infant/Early Childhood Mental Health (3)**
This is an undergraduate level course and will provide a broad overview of Attachment theory from its origins to current research and understanding. Pathology versus wellness will be understood through the use of the Diagnostic Classification of Mental Health and Developmental Disorders of Infancy and Early Childhood (DC:05) and other models of cultural and societal influences including policy, ethics and Infant/Early Childhood Mental Health trends. Additionally, reflective supervision/consultation models will be explored. Course readings and recordings are pulled from clinical and nonclinical infant/early childhood mental health and parent mental health sources.

RHB 3335 **Introduction to Infant/Early Childhood Neuroscience, Testing, and Assessment in Mental Health (3)**
This is an undergraduate level course and will provide a broad overview of Neuroscience and interpersonal neurobiology, which will be discussed and considered together with ethics, cultural and other specific influences. Additionally, various models of assessment will be examined, such as, biopsychosocial development and cultural formation of infants and their families through reflective lens of attachment, neurobiology, ethics, caser conceptualization, and other factors using clinical observations of infants, families, and relationships; informal and formal assessments. Course readings and recordings are pulled from clinical and nonclinical infant/early childhood mental health and parent mental health sources.

RHB 3340 **Social Policy and Planning (3)**
Exploration of the social policy formulation process and the building of analysis skills in the evaluation of social policy and programs. The impact of political, economic, and social forces is a focal point, and the process of incrementalism in implementation is examined.

RHB 3345 **Foundations of Rehabilitation (3)**
Review of historical, philosophical, and legislative development of the rehabilitation movement; focuses on current service delivery systems and trends.

RHB 3350 **Disability and Employment (3)**
An orientation to the complex interaction between disability and employment along with the meaning and importance of work to the individual, family and community. Includes career development theories and strategies for integrating people with disabilities into meaningful careers.

RHB 3355 **Introduction to Developmental Infant/Early Childhood Mental Health (3)**
This is an undergraduate level course and will provide a board overview of early human development for infants and their families. A basic understanding of influences that lead to mental health wellbeing and influences that can push development off track will be examined through the lens of attachment, neurobiology, and biopsychosocial factors. A clinical mental health and reflective perspective will be employed to inform understanding, case conceptualization, assessment and treatment of infants and their families. Course readings and recordings are pulled from clinical and nonclinical infant/early childhood mental health and parent mental health sources.

RHB 3360 **Vocational Assessment (3)**
Processes, principles, and techniques used to diagnose vocational assets and liabilities of the individual. Emphasis upon the use of psychometric tests, work samples, and job samples.

RHB 3365 **Introduction to Visual Impairment (3)**
This course will provide an understanding of the medical, psychological, social, educational, and vocational issues that professionals must understand in order to work effectively with persons who are visually impaired.

RHB 3375 **Diversity (3)**
This course provides students with an understanding and appreciation of cultural diversity, Ethnic and gender sensitivity, as well as ageism, in social work practice with a variety of populations is highlighted.

RHB 3380 Medical and Vocational Aspects of Disabilities (3)
Examines specific physical, psychiatric, and cognitive disabilities from medical, psychological, and vocational points of view. Covers a number of disabling conditions including etiology, characteristics, and implications for treatment and accommodation.

RHB 3385 Rehabilitation of Persons with Severe Disabilities (3)
Course explores rehabilitation needs of persons with severe disabilities. Concepts, approaches, philosophy and ethical considerations related to independent living, supported employment, and advocacy efforts.

RHB 4405 Juvenile Rehabilitation and Counseling (3)
Treatment modalities, diagnostic techniques, intervention systems, concurrent problems, and counseling techniques with adolescents. Emphasis is upon evaluation of services, i.e., vocational, self-concepts, academic, psychotherapy, peer relations, group counseling, family relations, and life skill development.

RHB 4410 Rehabilitation Pre-practicum (1)
Preparation for RHB 4420. *Prerequisite(s): RHB major with senior standing or permission of instructor*

RHB 4420 Rehabilitation Practicum I (3)
Supervised experience in a rehabilitation setting with an emphasis on the diversity of human problems and the impact these problems have on people with disabilities. Includes a weekly seminar plus a minimum of 120 hours in a particular agency setting. *Prerequisite(s): Rehabilitation major, RHB 4410. Practicum site must be approved by instructor during RHB 4410.*

RHB 4430 Rehabilitation Practicum II (3)
Supervised experience in a rehabilitation setting with an emphasis on the diversity of human problems and the impact these problems have on people with disabilities. Includes a weekly seminar plus a minimum of 120 hours in a particular agency setting. *Prerequisite(s): Rehabilitation major, RHB 4410. Practicum site must be approved by instructor during RHB 4410.*

RHB 4440 Rehabilitation Practicum III (3)
Supervised experience in a rehabilitation setting with an emphasis on the diversity of human problems and the impact these problems have on people with disabilities. Includes a weekly seminar plus a minimum of 120 hours in a particular agency setting. *Prerequisite(s): Rehabilitation major, RHB 4410. Practicum site must be approved by instructor during RHB 4410.*

RHB 4450 Senior Seminar (2)
The impact of recent changes in federal and state legislation and the role and function of professional organizations and their positions on current issues. *Prerequisite(s): HS/RHB major with senior standing or permission of instructor.*

RHB 9920 Youth Leadership Forum Practicum (3)
The goal of the Youth Leadership Forum (YLF) is to develop a network of young adults with disabilities who realize their ability to pursue meaningful employment and societal contributions, while helping break down the barriers to independence for people with disabilities. Students taking RHB 9920 serve as group leaders for YLF participants and organize and carry out group activities and participant events. Requires Pre-YLF leadership training during the spring semester and a commitment to live on campus with the YLF participants for approximately a week. *Prerequisite(s): Permission of instructor.*

RELIGION

REL 2210 Introduction to Biblical Studies (3)
An Introduction to the books of the Old Testament (Hebrew Bible) and New Testament in their historical settings, emphasizing textual analyses, literary forms/ their function and use in the past and present in both the Jewish and Christian traditions.

REL 2230 General Topics in Religion (3)
Historical examination of a designed topic of special and/or current interest and importance generally not covered in regularly offered courses by the department. This course may be repeated once for credit.

REL 2280 World Religions (3)
Historical development and basic beliefs of the world's major religions.

REL 2285 Travel Study in Religion (1-3)
Supervised investigation of relevant topics in religion through travel-study abroad or within the interior of United States. Course may be repeated for credit with permission of instructor. *Prerequisite(s): Permission of instructor.*

REL 3301 Early Christian Gospels (3)
An analysis of the variety of traditions used in the first two centuries to portray Jesus, focusing on the reasons for this variety and the historical and literary problems it presents.

REL 3380 Travel Study in Religion (1-3)
Supervised investigation of relevant topics in religion through travel-study abroad or within the interior of the United States. may be repeated for credit with permission of instructor. *Prerequisite(s): Permission of Instructor Course*

REL 4445 Selected Topics in Religion (3)
Advanced study of a designed topic of special interest generally not covered in regularly offered courses by the department. This course may be repeated once for credit. *Prerequisite(s): REL 2210, REL 2280, or permission of instructor*

REL 4499 Internship in Religion (1-3)
Supervised work in an agency that can provide experience in the field of study. Course may be repeated for credit with permission of instructor.

Prerequisite(s): Senior standing, at least a 2.5 GPA, 12 hours in upper-division courses in the field, and permission of supervising instructor, department chair, and/or dean.

RISK MANAGEMENT AND INSURANCE

RMI 2201 **Introduction to Risk in Business (3)**
This course enhances the understanding of risk and its implications for individuals, business and society. There will be an emphasis on both risk identification and risk treatment in the course.

RMI 3335 **Principles of Risk Management and Insurance (3)**
An introduction to the legal principles underlying insurance, the basics of risk management, the application of risk management techniques to personal risk management problems, personal property and liability insurance contracts including the personal auto policy and the homeowner's package, insurance regulation, and the insurance marketplace. *Prerequisite(s): Lower-level Core or permission of department chair*

RMI 3348 **Property and Casualty Insurance (3)**
This course examines the fundamental coverage and policy provisions of the major types of commercial and personal property and liability insurance contracts. Also examined are the fundamentals of property and casualty insurance, including analysis of contracts, rating, underwriting, regulation, and financial strength of insurers. *Prerequisite(s): RMI 3335. Co-requisite(s): RMI 4442*

RMI 4425 **Special Topics in Risk Management and Insurance (3)**
This course examines a selected risk management and insurance topic of interest that is not covered in other course offerings. The topic for the semester will be indicated in advance. Students may only take this course once for a maximum credit of three hours. **Note:** This course may not be substituted for any required course within the Global Business RMI major. *Prerequisite(s): RMI 3335*

RMI 4430 **Surplus Lines Insurance Operations & Products (3)**
A study of the excess surplus lines insurance markets as well as the reinsurance sector of the insurance industry. The course covers the formation and classification of these companies, their distribution systems, their regulation, their accounting procedures, and a comparison of these companies to admitted insurers. Special attention is paid to surplus lines insurance products designed for major types of commercial and personal property and liability risks. *Prerequisite(s): RMI 3335*

RMI 4440 **Corporate Risk Management (capstone) (3)**
A study of the analysis and treatment of the risks faced by the business organization. Topics include the assessment and treatment of traditional risks (such as, property, personnel, and environmental risks) and emerging risks (such as, cyber, social media, and supply chain risks). This course is the capstone course for the concentration. *Prerequisite(s): RMI 3348, RMI 4442*

RMI 4442 **Insurance Operations (3)**
An introduction to the various functions performed within an insurance company and a study of insurance ethics. Topics include insurance regulation, marketing, underwriting, ratemaking, adjusting, reinsurance, and accounting. *Prerequisite(s): RMI 3335. Co-requisite(s): RMI 3348*

RMI 4478 **Employee Benefit Planning (3)**
The course is designed to provide the student with a foundation of knowledge regarding the design and management of employee benefit plans. Topics include pensions, profit-sharing plans, 401(k) plans, group life and health plans, and flexible benefit programs. *Prerequisite(s): RMI 3335*

RMI 4491 **Guided Independent Research (1-3)**
Additional information is indexed under Independent Study and Research. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

RMI 4492 **Guided Independent Research (1-3)**
Additional information is indexed under Independent Study and Research. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

RMI 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

RMI 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for

additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course*.

RMI 4498 **Internship (3)**
The internship provides students with the opportunity to gain real-world insurance experience as a summer employee of an insurance company. Students are interviewed and selected by the individual insurance companies. See the RMI department for specific requirements. *Prerequisite(s): RMI 3335*

RMI 4499 **London Study Abroad (3)**
The London study abroad trip provides students with first-hand exposure to the center of the excess and surplus lines market, Lloyds. See the RMI department for specific requirements. *Prerequisite(s): RMI 3335*

RUSSIAN

RUS 1101 **Introductory Russian I (3)**
Introduction to the Russian language.

RUS 1102 **Introductory Russian II (3)**
Introduction to the Russian language. *Prerequisite(s): RUS 1101 or permission of instructor*

SCIENCE

SCI 1110 **Exploring the Solar System (3)**
This course examines each of the major planets; their surfaces, interiors and atmospheres, and why they are all so different. The course also examines the major moons of the planets, any planetary ring systems, and many minor bodies such as comets and asteroids. Other topics covered include the exploration of the solar system with robotic spacecraft. Extra-solar planets, possibilities of extraterrestrial life and the search for extraterrestrial life. *Co-requisite(s): SCI L110*

SCI L110 **Exploring the Solar System Lab (1)**
Hands-on exercise to study the planets, moons, and planetary motions. Night-time observing of constellations, the Moon and any visible planets. *Co-requisite(s): SCI 1110*

SCI 2233 **Physical Science (3)**
Basic chemistry and physics for non-science majors **Note:** Credit does not count toward a major in any science curriculum. *Co-requisite(s): SCI L233*

SCI L233 **Physical Science Lab (1)**
Laboratory experiments in basic chemistry and physics. *Co-requisite(s): SCI 2233*

SCI 2234 **Earth and Space Science (3)**
Basic astronomy and geology for non-science majors. **Note:** Credit does not count toward any major in the sciences. *Co-requisite(s): SCI L234*

SCI L234 **Earth and Space Science Lab (1)**
Laboratory experiments in basic astronomy and geology. *Co-requisite(s): SCI 2234*

SCI 2240 **Principles of Astronomy, Stars, Galaxies and Cosmology (3)**
Basic facts and theories related to astronomical phenomena. *Co-requisite(s): SCI L240*

SCI L240 **Principles of Astronomy, Stars, Galaxies and Cosmology Lab (1)**
Star and constellation identification and observations using the telescope. *Co-requisite(s): SCI 2240*

SCI 3335 **Physical Geology (3)**
Constructive and destructive processes which alter the earth. *Co-requisite(s): SCI L335*

SCI L335 **Physical Geology Lab (1)**
Contact Hours: 2
Laboratory studies of constructive and destructive processes which alter the earth. *Co-requisite(s): SCI 3335*

SCI 3365 **Principles of Applied Science (3)**
In this course, we will learn the scientific method, and how it applies investigations in science and engineering. Students will learn how to ask well defined questions, propose hypotheses, test hypotheses, and learn on what basis one rejects or accepts a hypothesis. We will go on to see how these methods are applied in the fields of biology, chemistry, physics, and engineering. Finally, we will also see how misapplications of the scientific method leads to questionable pseudoscience.

SCI 3366 **Survey of Electronics Technology (3)**
In this course, students will develop understanding of basic concepts in electronics, including component identification and behavior, dc and ac circuit principles, solid-state devices, and both linear and switching circuits without getting into rigors of mathematics. Students will also learn how digital electronics fed to microprocessor technology. Students will be able to apply these learned concepts in design and analysis of electronics systems.

SCI 3370 **Toxic, Radioactive, & Hazardous Materials (3)**
In this course, students will learn the basic principles of hazardous materials management. The course will be suitable for students with limited scientific background knowledge in chemistry and physics. Students will learn how to classify toxic, radioactive, and hazardous materials and evaluate the dangers associated with them. Students will study current industry practices and learn how to manage hazardous materials in a safe, legal, and economical manner.

SCI 4440 **Travel Study in Comprehensive General Science (1-3)**
Supervised investigation of relevant topics in Comprehensive General Science through travel-study abroad or within the interior of the United States.

SCI 4450 **Science in a Regulatory Environment (3)**
An examination of the applications of Biology, Chemistry, and Physical Sciences for compliance with select environmental regulations. *Prerequisite(s): Biology, Chemistry or Physical Science*

SCI 4474 **Internship in Science Education (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite(s): Admission to TEP. Co-requisite(s): SED 4454*

SCI 4481 **Methods and Materials for the Secondary Teacher (3)**
A survey of teaching methods and materials appropriate for teaching in the content areas for grades 6-12. Topics addressed will include teacher evaluation in the public schools, collaboration with special education teachers, and lesson planning formats. In addition, teaching methods, selections organization and use of biology/science materials for grades 6-12 will be covered in detail. A professional laboratory experience is included in this course. *Prerequisite(s): Admission to TEP*

SCI 4491 **Guided Independent Research (1-4)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 4 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

SCI 4492 **Guided Independent Research (1-4)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 4 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

SCI 4493 **Guided Independent Research (1-4)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 4 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

SCI 4494 **Guided Independent Research (1-4)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 4 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

SCI 4498 **Internship in Comprehensive General Science (1-3)**
Supervised work experience in the biotechnology industry, governmental agency, business, or other working environment in which a student will learn and apply pertinent professional skills**.**

SECONDARY EDUCATION

SED 4400 **Classroom Management (3)**
This course is designed for all secondary and P-12 education majors. The purpose of this course is to establish a foundation of content and application relative to classroom management and discipline, emphasizing reflection, decision making, and integrated teaching/learning strategies. Methodologies utilized will include discussion, lecture, field experience, case studies, problem solving sessions, projects, and research.

SED 4454 **Internship Seminar for Secondary Education (3)**
This course provides seniors an opportunity during internship to examine broad educational issues and concerns, topics on the state and local levels and those of personal interest. The scope of the course ranges from juvenile law, classroom management, professionalism, professional development for teachers and other course topics. *Prerequisite(s): Admission to TEP. Co-requisite(s): SED Internship*

SED 4474 **Secondary Internship in Grades 6-12 (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume

the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite(s): Admission to TEP. Co-requisite(s): SED 4454*

SED 4481 Methods and Materials for the Secondary Teacher (3)
Teaching methods, selection, organization and use of materials and resources in the secondary school discipline(s). Observation and teaching experiences will be included. *Prerequisite(s): EDU 3310 and admission to TEP*

SED 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. Guided independent research may be taken only in the applicant's major or minor field.*

SED 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. Guided independent research may be taken only in the applicant's major or minor field.*

SED 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

SED 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

SOCIOLOGY

SOC 2275 Introduction to Sociology (3)
Survey of basic sociological concepts and the effect of social phenomena on individuals, groups and institutions. This course will not count toward the required upper level course hours needed for the sociology or social science minor or major. *Prerequisite for all 3000 and 4000 level courses.*

SOC 3300 Social Institutions (3)
An analysis of several major social institutions, their structural components, processes, and resultant problems. Group interrelations and social change will be emphasized. *Prerequisite(s): SOC 2275*

SOC 3301 Collective Behavior and Social Movements (3)
This course provides an in-depth understanding of the dynamics of collective behavior and social movements and focuses both on domestic and global movements. A variety of social movements and counter movements are considered that span a variety of geographical regions and time periods. *Prerequisite(s): SOC 2275*

SOC 3305 Visual Sociology (3)
Visual sociology examines and produces visual perspectives on social life. It allows one to apply the sociological imagination in telling a visual story about social phenomena. Visual sociology utilizes all sorts of visual material in its analysis and methodologies. Hands-on use of smart phones and digital cameras will be utilized for applied class projects. *Prerequisite(s): SOC 2275*

SOC 3315 Sociology of Popular Music (3)
Sociological analysis of a very influential and popular music art form, from its origins in the first half of the twentieth century to more contemporary social contests. Examines the roles of race relations, social class, gender, inequalities, region, genre, commercial exploitation and technology in the evolution of popular music. *Prerequisite(s): SOC 2275*

SOC 3316 Sociology of Popular Culture and Mass Media (3)
This course will examine popular culture and mass media and the theoretical frameworks that analyze their force in society. Mass media includes everything from television, film, radio, magazines, newspapers and the countless means of mass communication brought about through the Internet. Studying the mass media and its impact through popular culture is vital to

sociologists given their profound influence on culture and social life. *Prerequisite(s): SOC 2275*

SOC 3323 Juvenile Delinquency (3)
An examination of social, economic, psychological, and physiological determinants of young people's behavior as it concerns family, community, and social worker. *Prerequisite(s): SOC 2275*

SOC 3331 Sociology of the Family (3)
Analysis of the family as a social institution and as a social group, with emphasis on the impact of the changing society on traditional family functions, courtship, role expectations, child rearing, and family stability. The course will examine changes in work patterns, marriage, divorce, and cohabitation over time including contemporary problems affecting marital relations and family interactions. Race, ethnicity, age, and gender differences will also be addressed. *Prerequisite(s): SOC 2275*

SOC 3332 Family Violence (3)
A course to provide students with an in-depth study of the problems of violence in families including spouse abuse, child abuse, elder abuse, and the dynamics and dangers of violent relationships. The study will examine the root causes of family violence and the devastating, multi-generational effects of violence on its victims and society. Students will study current societal responses to family violence including protection services, treatment programs, legal defense strategies, and current legislation. *Prerequisite(s): SOC 2275*

SOC 3345 Criminology (3)
Study of crime and its causes and measurements. Topics include various explanations of criminal behavior, typology of crime, criminal justice system, and social relations to crime. *Prerequisite(s): SOC 2275*

SOC 3346 Deviant Behavior (3)
This course will explore the social meaning and construction of social behavior outside normative boundaries. Deviance is relative social behavior that occurs outside social norms. By the end of this course, students will be familiar with, and think critically about the attitudes, behaviors, and meanings associated with society and social deviance. In addition, students will be introduced to topics related to law, social change, social power, conflict, structure, and culture. *Prerequisite(s): SOC 2275*

SOC 3351 Sociology Study Abroad (1-3)
Supervised investigation of relevant topics in sociology through travel study abroad or within the interior of the United States. *Prerequisite(s): Applicable survey courses and permission of the instructor*

SOC 3355 Death and Dying (3)
This course provides an examination of individual and societal attitudes toward death and the dying process. It will include the emotions experienced, cultural variations, theoretical perspectives and institutional relationships. *Prerequisite(s): SOC 2275*

SOC 3357 Sociological Aspects of Human Sexuality (3)
An examination of the cultural and social components of sexuality including current perspectives on sexuality, sex research and theory, cross-cultural perspectives and sexual diversity, gender issues, sexual relationships, sexual orientations, pregnancy and parenthood, sexually transmitted diseases, sexual victimization, sexuality across the life span, and recent social changes affecting sexuality in society. *Prerequisite(s): SOC 2275*

SOC 3360 Introduction to Qualitative Research Methods (3)
This course will provide students with an overview of qualitative (non-statistical) research methods. It will also familiarize students with the various areas of sociological study in which qualitative methods is preferred to quantitative research and will offer students the necessary training to engage in high-quality qualitative research. Special emphasis will include: participant observation, interviews, and on-line methodologies. *Prerequisite(s): SOC 2275*

SOC 3370 Society and Environment (3)
This is a course that will focus on the relationship between society and the environment. It will include individual, group (social movements) and institutional impacts on the environment and reciprocal effects. *Prerequisite(s): SOC 2275*

SOC 3375 Research Methods in Sociology (3)
The purpose of this course is to provide a structured opportunity to review, learn, and apply sociological research methods - both qualitative and quantitative methodologies. Using primarily sociological examples, exercises, and theory, each student will develop a research question and a general research design report. *Prerequisite(s): SOC 2275, SOC 3300 or SOC 3301, and SOC 3379*

SOC 3376 Sociological Statistics (3)
A detailed description of what sociologists do with the information they gather. Qualitative and quantitative data from sociological examples are discussed. Particular attention is given to descriptive and inferential statistics, the relationship between research and policy, evaluation research, and research ethics. *Prerequisite(s): SOC 3375*

SOC 3379 Social Problems in Contemporary Society (3)
An examination of conditions that are harmful to society. Topics include problems with social institutions, inequality, deviance, and social change.

SOC 3380 Sociological Social Psychology (3)
A survey of Social Psychology from a sociological perspective. Emphasis is placed on classic topics such as the self-concept, the process of socialization, symbolic interactionism and the social construction of reality, as well as contemporary topics such as small group dynamics, power, social exchange and collective behavior. *Prerequisite(s): SOC 2275*

SOC 4409 **Political Sociology (3)**
An overview of politics and political systems from earliest times to the present with some emphasis on democratic systems in the U. S. and other modern countries. *Prerequisite(s): SOC 2275*

SOC 4411 **Population and Society (3)**
This course provides an exciting overview of how to analyze and think about changing population trends in the U.S. as well as around the world. Students will learn how to relate contemporary and pressing problems such as migration, population growth, fertility, death rates, and other population changes to current social and economic policy debates (e.g., funding for Social Security, education, healthcare, etc.). In this way, students can see the true impact of how population issues affect our society. *Prerequisite(s): SOC 2275*

SOC 4413 **Sociology of Race and Ethnicity (3)**
This course explores the dynamics of race and ethnicity from a sociological perspective. Students will be introduced to the major sociological concepts and issues concerning racial and ethnic identity, intergroup relations, prejudice, discrimination, racism, immigration, and multiculturalism, including current trends. *Prerequisite(s): SOC 2275*

SOC 4421 **Social Inequality (3)**
This course examines the structure of social inequality both in the U.S. and in the international context. It reviews theories of inequality and also explores empirical data on stratification both domestically and globally. It also examines how we can try to achieve more social equality and social justice both nationally and globally. *Prerequisite(s): SOC 2275*

SOC 4430 **Sociology of Religion (3)**
An examination of the social institution of religion. The course will discuss modes of worship, the relationship between various religious systems and other aspects of society, the categorization of religious groups into cults, sects, denominations and ecclesia, and the rise of secularization in the 21st Century. *Prerequisite(s): SOC 2275*

SOC 4434 **Sociology of Gender (3)**
Provides an analysis of the conceptualization of gender with a focus on the methods of studying gender, historical perspectives on gender, biological and social bases of gender, and how gender intersects with other stratification systems within societies globally. Using a multicultural perspective, special emphasis is placed on how gender is manifested in the family as well as other major social institutions. *Prerequisite(s): SOC 2275*

SOC 4444 **The Sociology of Cinema (3)**
This course is designed to critically examine sociological issues within American Society via the lens of cinema. *Prerequisite(s): SOC 2275*

SOC 4445 **Trends in Globalization (3)**
The concept of "globalization" explores issues of social, cultural, political, and economic connectivity that are taking place between societies (of people) on our planet. This course examines the historical foundations and current trends of globalization. It also explores the opportunities and constraints that globalization brings to citizens throughout the world. *Prerequisite(s): SOC 2275*

SOC 4446 **Sociology of Education (3)**
This course provides an overview of the theories, methods and issues in the sociology of education today. Issues include text censorship, school and class size, race and gender inequalities, violence in schools, etc. Classroom activities will also explore various social influences on education and different learning modalities. *Prerequisite(s): SOC 2275*

SOC 4451 **Peace, Conflict and Human Rights (3)**
Sociological analysis of peace, conflict and human rights, with a focus on the last 100 years. Emphasis will be placed on non-violent struggles at the nation-state level internationally. The role of ethnic and religious affiliations in current war and conflict at home and abroad will also be examined. *Prerequisite(s): SOC 2275*

SOC 4452 **Human Trafficking (3)**
This course assumes a background in social science, criminal justice, or junior standing and familiarity with major theories in social science. This course aims to provide an understanding of the extent and scope of human trafficking, both domestically and globally, by focusing on the various dimensions from social, cultural, historical, and legal frameworks. Definitions and important terminology will be discussed, as well as the nature and consequences of various types of the crime. The roles that entities such as the government, the criminal justice system, media, and non-governmental organizations (NGOs) play individually and in collaboration with each other will be analyzed. Policies that attempt to identify and reduce trafficking will be examined. Using an applied, systemic approach to human trafficking, aspects of the issues will be covered in an informed and well-analyzed, social science sense. *Prerequisite(s): SOC 2275*

SOC 4453 **Homicide (3)**
This course aims to provide an understanding of the extent and scope of murder in the United States by focusing on the various aspects of homicide from social, cultural, historical, and legal frameworks. Definitions and important terminology will be examined as well as various research methodologies, theories, and policy issues and implications among sociology, criminology, and the criminal justice system. Students will explore a variety of related concepts of killing, including homicide typologies, homicidal patterns related to both victims and offenders, theoretical approaches to understanding killing, societal reactions, and punishment options. The many myths surrounding serial murder and how society perpetuates such myths will be discussed and analyzed, as well as how media representations of homicide impact societal perceptions generally. An in-depth, scholarly approach to examining murder, including the biological, psychological, and sociological influences

will be introduced and incorporated in an informed and well-analyzed social science sense. *Prerequisite(s): SOC 2275*

SOC 4462 Applied Sociology (3)
This course will provide an overview of applied sociology. *Prerequisite(s): SOC 2275*

SOC 4465 The Sociology of Sport (3)
An examination of the sociological perspective of sport as an institution. Particular emphasis is placed on the impact of sport on the individual, small groups, other institutions, and society. *Prerequisite(s): SOC 2275*

SOC 4489 Internship in Sociology (3)
Applications of skills and knowledge of sociology in government agency, foundation, public service institution or similar situation under the supervision of a faculty member. *Prerequisite(s): Sociology Major, SOC 2275; junior/senior classification; 3.0 cumulative GPA, 3.5 major GPA; consultation with department Internship Coordinator.*

SOC 4490 Internship in Sociology (3)
Applications of skills and knowledge of sociology in government agency, foundation, public service institution or similar situation under the supervision of a faculty member. *Prerequisite(s): Sociology Major, SOC 2275; junior/senior classification; 3.0 cumulative GPA, 3.5 major GPA; consultation with department Internship Coordinator.*

SOC 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): SOC 2275, Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. May not be used to repeat a course for which a grade of D or below has been earned. Guided Independent Research may be taken only in the applicant's major or minor field.*

SOC 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): SOC 2275, Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. Guided independent research may be taken only in the applicant's major or minor field.*

SOC 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): SOC 2275, Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

SOC 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): SOC 2275, Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

SOC 4495 Selected Topics (3)
Designed as a vehicle for the exploration of topics of current interest within the major discipline of sociology. *Prerequisite(s): SOC 2275*

SOC 4498 Sociological Theory (3)
A survey of the major theorists in sociology, emphasizing those who made critical contributions influencing the sociology discipline and beyond. In addition, the course will also explore contemporary theorists' contributions *Prerequisite(s): SOC 3375, SOC 3376*

SOC 4499 Professional Seminar in Sociology (3)
In this course, the senior-level sociology student prepares for the transition to graduate school/career. The student explores himself/herself as a person and as a sociologist in an effort to choose a fulfilling career path. In addition to career exploration, students conduct a senior project in an area of interest consistent with their academic program. *Prerequisite(s): SOC 3375, SOC 3376*

SPANISH

Note: For additional information, see Placement in Academic Courses.

SPN 1141 Introductory Spanish I (3)
Introduction to the Spanish language and cultures.

SPN 1142 Introductory Spanish II (3)
Introduction to the Spanish language and cultures. *Prerequisite(s): SPN 1141 or permission of instructor*

SPN 2241 Intermediate Spanish I (3)
Advanced Spanish skills with a focus on language and cultural topics from Spanish-speaking com-

munities. *Prerequisite(s): SPN 1142 or permission of instructor*

SPN 2242 **Intermediate Spanish II (3)**
Develops intermediate Spanish through diverse cultural themes from the Spanish-speaking world. *Prerequisite(s): SPN 1142 or permission of instructor*

SPN 3328 **Legal Spanish (3)**
Practical Spanish for the legal and law enforcement professions *Prerequisite(s): SPN 2241 and SPN 2242 or permission of instructor*

SPN 3330 **Business Spanish (3)**
Practical Spanish for the business and public service professions *Prerequisite(s): SPN 2241 and SPN 2242 or permission of instructor*

SPN 3332 **Spanish Grammar and Composition (3)**
Formal study of Spanish grammar and written composition. *Prerequisite(s): SPN 2241 and SPN 2242 or permission of instructor*

SPN 3333 **Spanish Comprehension and Conversation (3)**
Developing listening and speaking skills with emphasis on dialectical differences. *Prerequisite(s): SPN 2241 and SPN 2242 or permission of instructor*

SPN 3335 **Medical Spanish (3)**
Practical Spanish for the medical and health-related professions *Prerequisite(s): SPN 2241 and SPN 2242 or permission of instructor*

SPN 3350 **Spanish Culture on Location I (3-TBA)**
Local orientation followed by study in a Spanish-speaking environment. *Prerequisite(s): Permission of instructor*

SPN 3351 **Spanish Culture on Location II (3-TBA)**
Local orientation followed by study in a Spanish-speaking environment. *Prerequisite(s): Permission of instructor*

SPN 3370 **Selected Topics in Spanish (3)**
Selected topics generally not covered in other Spanish courses. May be repeated for credit. *Prerequisite(s): SPN 2241 and SPN 2242 or permission of instructor*

SPN 4448 **Peninsular Spanish Literature (3)**
Selected authors, periods, or genres in the literature of Spain. *Prerequisite(s): SPN 2241 and SPN 2242 or permission of instructor*

SPN 4449 **Latin American Literature (3)**
Selected authors, periods, or genres in the literature of Latin America. *Prerequisite(s): SPN 2241 and SPN 2242 or permission of instructor*

SPN 4451 **Peninsular Spanish Civilization (3)**
Geography, history, cultural achievements, and institutions of Spain. *Prerequisite(s): SPN 2241 and SPN 2242 or permission of instructor*

SPN 4452 **Latin American Civilization (3)**
Geography, history, cultural achievements, and institutions of Latin America. *Prerequisite(s): SPN 2241 and SPN 2242 or permission of instructor*

SPN 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

SPN 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

SPN 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

SPN 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

SPECIAL EDUCATION

SPE 3301 **Advanced Topics in Disabilities (3)**
The course provides special education teacher candidates with a deeper understanding of the process in referring, testing, and identifying students with disabilities. Teacher candidates will learn and demonstrate how to develop an Individualized Education Plan (IEP) for qualifying students. Special Education teacher candidates will demonstrate data-based decision making concerning Least Restrictive Environments, minutes of service, appropriate accommodations, modifications, and curricular adjustments

SPE 3302 **Introduction to Moderate/Severe Disabilities (3)**
This course presents an overview of the social, emotional, physical, and learning characteristics of children and youth with moderate and severe disabilities. Emphasis is placed on information regarding the definition, prevalence, and etiology of moderate and severe disabilities as well as information pertaining to the classification, assessment, placement, instruction, and programming needs and services for individuals with moderate and severe disabilities. *Prerequisite(s): Admission to TEP*

SPE 3303 **Teaching Students with Mild Disabilities (6-12) (3)**
This methods course for prospective special-ed 6-12 collaborative teachers emphasizes methods and materials for adolescents with mild disabilities and provides a cross-category focus. Moreover, methods such as cognitive learning strategies are examined in depth. *Prerequisite(s): SPE 3349 and admission to TEP*

SPE 3304 **Teaching Students with Moderate/Severe Disabilities (6-12) (3)**
This course emphasizes a variety of educational strategies for secondary students with moderate and severe disabilities. Special emphasis is placed on the post-secondary adjustment of students with complex needs. *Prerequisite(s): SPE 3302 and admission to TEP*

SPE 3305 **Vocation and Transition Planning for Secondary Students with Disabilities (3)**
This course emphasizes authentic, evidence-based practices related to vocation and transitional services a student with special education services will receive in the secondary school setting. Special education teacher candidates will learn to understand and explain the laws surrounding the requirements of transition planning within the IEP, along with writing vocation and transitional goals. Teacher candidates will demonstrate how to work with state vocational rehabilitation services, families, appropriate additional personnel, and the community. *Prerequisite(s): SPE 3303, SPE 3304, SPE 3340, and admission to TEP*

SPE 3306 **Teaching Students with High Incidence Disabilities (3)**
The course requires special education teacher candidates to learn about and demonstrate proficiency with specifically designed instruction for students with high incidence disabilities. Teacher candidates will demonstrate skills in writing specifically designed instruction specific to supporting IEP goals. The teacher candidates will then identify and develop key components of a functional behavior assessment (FBA) and a Behavior Intervention Plan (BIP) to support behavior struggles with identified students. The course must be completed with a special education field experience. *Prerequisite(s): Admission into TEP*

SPE 3307 **Strategies Instruction (3)**
This course bridges the gap between research and practice and extends knowledge of specific methods for teaching students K-6 with mild disabilities. The premise of this course is that strategic learning is critical for many students with mild disabilities in order that they may achieve academic success and function at the level of their potential. *Prerequisite(s): Admission to TEP*

SPE 3309 **Teaching Students with Low Incidence Disabilities (3)**
The course requires special education teacher candidates to demonstrate competence in the understanding and application of evidence-based, specifically designed instruction (SDI) for students with low incidence disabilities. Teacher candidates will engage with and demonstrate the use of augmentative communication devices to support communication and academic language skills. Special education teacher candidates will learn to teach and support socially-normed social behavior. The class also focuses on community-based instruction, which promotes generalization. Many students with Low Incidence Disabilities require medication support and teacher candidates will learn to identify and support medically fragile students. Teacher candidates will also acquire skills in planning and learning supports for paraprofessionals. *Prerequisite(s): Admission to TEP*

SPE 3340 **Introduction to Special Education (3)**
The course provides general and special education teacher candidates with an overview of exceptional students found within current general and special education classrooms. Examples of exceptional students are 1) receiving services through IDEA, 2) identified as at-risk for academic and/or behavioral failure, 3) outside of the social majority, or 4) struggling with social and emotional risk factors. The class introduces teacher candidates to key terminology and procedures in IDEA and Civil Rights Laws.

SPE 3362 **Policies and Procedures in Special Education (3)**
This course is an advanced undergraduate course for prospective special education collaborative teachers K-6. This course outlines the legal responsibilities and role of the special education teacher in the procedures and services of special education.

The assessment/program planning program is emphasized. *Prerequisite(s): Admission to TEP*

SPE 4407 **Differentiation and Collaboration (3)**
The course teaches skills required for the creation of lessons using universal design, differentiated instruction, and specifically designed instruction. Teacher candidates also take an in-depth look into collaborative, coteaching practices between special and general education teacher candidates. Teacher candidates will demonstrate their understanding of writing co-taught lesson plans based on their field experience. To support collaborative success, teacher candidates will learn and practice conflict resolution skills. *Prerequisite(s): Admission to TEP*

SPE 4445 **Educational Evaluation of Exceptional Children (3)**
This course is designed to provide the pre-service teacher with knowledge and skills in the selections, evaluation, administration, scoring and interpretation of standardized instruments in the areas of academic achievement, diagnostic tests, adaptive behavior, and behavior rating scales. Students will demonstrate the utilization of test results for the development of an individualized education plan, individualized family service plan, and learning outcomes for the general education classroom. *Prerequisite(s): Admission to TEP*

SPE 4454 **Internship Seminar (3)**
The course supports teacher candidates (K-6 and 6-12) as they engage in teacher preparation assessment, which can be evaluated either at the national or state level. Teacher candidates also, participate in interview readiness, job searches, and appli-cation for an Alabama Teaching License. Classroom management, internship, and other beginning teacher topics will be discussed in the class. *Co-requisite(s): SPE 4465 or SPE 4474*

SPE 4465 **Collaborative Teacher (6-12) Internship (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in grades 6-12 Special Education/Collaborative teaching field. The Professional Internship Program provides the teacher candidate with the opportunity to leader large and/or small group instruction while assuming the role of the lead teacher. Teacher candidates, while leading, receive coaching and supervision from the mentor teacher and university supervisor. The period of supervision lasts for one full semester. The teacher candidate must demonstrate skills in relationship to national, state, and local standards. *Prerequisite(s): Completion of all TEP required classes. Co-requisite(s): SPE 4454*

SPE 4474 **Collaborative Teacher K-6 Internship (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in the K-6 Special Education/Collaborative teaching field. The Professional Internship Program provides the teacher candidate with the opportunity to leader large and/or small group instruction while assuming the role of the lead teacher. Teacher candidates, while leading, receive coaching and supervision from the mentor teacher and university supervisor. The period of supervision lasts for one full semester. The teacher candidate must demonstrate skills in relationship to national, state, and local standards. *Prerequisite(s): Completion of all TEP required classes. Co-requisite(s): SPE 4454*

SPE 4491 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. May not be used to repeat a course for which a grade of D or below has been earned. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. A written request is to be submitted to the department chair at least two weeks in advance of the term in which study is to be undertaken. Application forms are available in the Office of University Records. Guided independent research may be taken only in the applicant's major or minor field. Also see index for "Independent Study and Research."*

SPE 4492 **Guided Independent Research (1-3)**
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. May not be used to repeat a course for which a grade of D or below has been earned. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. A written request is to be submitted to the department chair at least two weeks in advance of the term in which study is to be undertaken. Application forms are available in the Office of University Records. Guided independent research may be taken only in the applicant's major or minor field. Also see index for "Independent Study and Research.".*

SPE 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

SPE 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of*

guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.

SPEECH LANGUAGE PATHOLOGY

SLP 3301 **Introduction to Communication Disorders (3)**
This course is an overview of the field of communication disorders and sciences. Provides a foundation in the anatomy and physiology of speech and hearing, as well as the disorders that affect voice, fluency, articulation, language, cognition, swallowing and hearing across the lifespan. Explores common types of speech, language, and hearing disorders and their respective treatment processes and the basics of the clinical process and decision-making.

SLP 3310 **Language Development (3)**
This course is a thorough study of language development from birth through adulthood. First, the cognitive, motor, perceptual, and social bases of language, and how development in these domains influences language development will be covered, followed by how these domains interrelate to form a complete language system. Language development through school-age, adolescence and adulthood will be covered, including literacy development.

SLP 3320 **Language Disorders Across the Lifespan (3)**
Introduction to screening, evaluating, diagnosing, and treating common language disorders across the lifespan. Ethical, multicultural, and contemporary professional issues will be discussed.

SLP 3340 - Speech Sound Development and Disorders (3)
Introduction to the development and acquisition of speech sounds in early childhood. Screening, evaluating, diagnosing, and treating common speech sound disorders across the lifespan. Ethical, multicultural, and contemporary professional issues will be discussed.

SLP 3350 **Speech and Hearing Science (3)**
Introduction to the normal aspects of speech, language, and hearing, including physiological aspects of speech, acoustics of speech sounds, and speech production and perception, as well as the tools used in speech and hearing science research.

SLP 3355 **Phonetics (3)**
This course is designed to introduce students to the study of phonetics. Students will become fluent in the International Phonetic Alphabet and learn to transcribe speech using IPA symbols and diacritics.

SLP 3360 **Introduction to Audiology (3)**
An introduction to the principles and practices of audiology, including the anatomy and physiology of the auditory system, basic hearing tests, the diagnosis and management of hearing disorders, the measurement of hearing sensitivity, the evaluation of auditory function in different populations, the selection and fitting of hearing aids, the use of assistive listening devices, the prevention of hearing loss, and the ethical and legal considerations involved in the practice of audiology.

SLP 3370 **Anatomy and Physiology of Speech and Hearing (3)**
This course introduces students to the anatomy and physiology relevant to the production of speech, perception of sound, and swallowing process. Students will learn the structures, muscles and functions of respiration, phonation, articulation, sound perception, and swallowing. This knowledge of normal human anatomy and physiology contributes to the foundation upon which the study of speech, hearing and swallowing disorders is built. *Prerequisite(s): BIO 1100 Principles of Biology (3 credits), BIO L100 Principles of Biology Lab (1 credit)*

SOCIAL SCIENCE

SS 2220 **Introduction to Social Science (3)**
An introduction to the study of society approaches its study from a common-sense perspective, rather than a formalistic perspective more common in social science. Students will see how seemingly diverse disciplines intermingle and connect to one another- anthropology and economics, for example. The goal of this course is to teach students critical thinking and problem-solving skills that will allow them to approach social issues in an objective and informed way.

SS 3350 **Social Science Study Abroad (1-3)**
Supervised investigation of relevant topics in social sciences through travel study abroad or within the interior of the United States. *Prerequisite(s): SS 2220 and permission of the instructor*

SS 3375 **Research Methods in the Social Sciences (3)**
Principles of pure and applied research for the social sciences. Special emphasis is given to the types of research methods employed by social scientists including survey techniques, field research, quasi-experimental designs and analytical procedures currently used in the social sciences. *Prerequisite(s): SS 2220, SOC 3300 or SOC 3301, and SOC 3379*

SS 3376 **Social Science Statistics (3)**
A detailed description of what social scientists do with the information they gather. Particular attention is given to descriptive and inferential statistics, the relationship between research and policy, evaluation research, and research ethics. *Prerequisite(s): SS 3375*

SS 4450 **Selected Topics (3)**
Designed as a vehicle for the exploration of topics of current interest within the major discipline of social science. *Prerequisite(s): SS 2220*

SS 4474 **Internship in Secondary Social Science Education (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite(s): Admission to TEP. Co-requisite(s): SED 4454*

SS 4481 **Methods and Materials for the Secondary Teacher (3)**
A survey of teaching methods and materials appropriate for teaching in the content areas for grades 6-12. Topics addressed will include teacher evaluation in the public schools, collaboration with special education teachers, and lesson planning formats. In addition, teaching methods, selections organization and use of history/social science materials for grades 6-12 will be covered in detail. A professional laboratory experience is included in this course. *Prerequisite(s): Admission to TEP*

SS 4489 **Internship in Social Science (3)**
Application of skills and knowledge of social science in government agencies, public service institutions, or similar situations under the supervision of a faculty member. *Prerequisite(s): Social Science major, SS 2220; junior/senior classification; 3.0 cumulative GPA, 3.5 major GPA; consultation with department Internship Coordinator.*

SS 4490 **Internship in Social Science (3)**
Application of skills and knowledge of social science in government agencies, public service institutions, or similar situations under the supervision of a faculty member. *Prerequisite(s): Social Science major, SS 2220; junior/senior classification; 3.0 cumulative GPA, 3.5 major GPA; consultation with department Internship Coordinator.*

SS 4493 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

SS 4494 **Guided Independent Study (1-3)**
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

SS 4498 **Social Science Theory (3)**
A survey of the major theorists in the social sciences, emphasizing those who made critical contributions influencing the several social science disciplines and contemporary theorists whose works have an interdisciplinary element. *Prerequisite(s): SS 3375, SS 3376*

SS 4499 **Professional Seminar in the Social Sciences (3)**
In this course, the senior-level social science student prepares for the transition to graduate school/career. The student explores himself/herself as a person and as a social scientists in an effort to choose a fulfilling career path. In addition to career exploration, students conduct a senior project in an area of interest consistent with their academic program. *Prerequisite(s): SS 3375, SS 3376*

STATISTICS

STAT 2210 **Introductory Statistics (3)**
A beginning course in statistics intended for students in a wide variety of fields of study. Course topics include descriptive statistics, normal distribution, correlation and regression, basic concepts of probability, binomial distribution, sampling distribution, confidence intervals and hypothesis testing for mean(s) and proportion(s). Students also have the opportunity to analyze data sets using Statistics software. *Prerequisite(s): Appropriate score on mathematics placement test, advanced placement, or a grade "C" or better in MTH 1104 or higher*

STAT 3350 **Statistical Methods and Computations (3)**
This course is designed to provide students with a foundation in statistical methods, including data exploring and strategies in sample surveys, estimation and testing hypotheses of means and variances, analysis of variance, regression analysis, contingency tables. These concepts are taught with heavy emphasis on statistical computing software and real-world datasets. Students will learn basic skills of statistical packages that are widely used in business, industry, government, and research. *Prerequisite(s): A grade of "C" or better in STAT 2210 and MTH 1112 or higher*

STAT 3355 **Survey Sampling (3)**
Topics include sampling frames, questionnaire design, simple random, systematic, stratified, and cluster sampling, comparing domain means, contingency table analysis. *Prerequisite(s): STAT 2210*

STAT 4451 Mathematical Statistics I (3)
Probability theory, sample spaces, random variables, mutual exclusion, independence, conditional probability, permutations and combinations, common discrete and continuous distributions, expected value, mean, variance, multivariate distributions, covariance, Central Limit Theorem. *Prerequisite(s): MTH 1125 and STAT 2210*

STAT 4452 Mathematical Statistics II (3)
Fundamentals of the theory of statistics, the Central Limit Theorem, point estimation, sufficiency, consistency, hypothesis testing, sampling distributions, confidence intervals, linear regression models, interpretation of experimental results, Bayesian Estimation. *Prerequisite(s): STAT 4451*

STAT 4456 Mathematics of Finance (3)
The fundamental concepts of financial mathematics and how these concepts are applied in calculating present and accumulated values for various streams of cash flows as a basis for future use in the following: reserving, valuation, pricing, asset/liability management, investment income, capital budgeting, and valuing contingent flows. *Prerequisite(s): A grade of "C" or better in STAT 4451 and MTH 3311*

STAT 4459 Regression Analysis (3)
Topics include simple linear regression, inferences in regression analysis, techniques of multiple regression and model building, ANOVA as regression analysis, analysis of covariance, model selection and diagnostic checking techniques, nonlinear regression, and logistic regression. Computations are an integral part of the course and will involve the use of SAS and R statistical software. *Prerequisite(s): STAT 3350*

STAT 4464 Multivariate Analysis (3)
Possible topics to be covered include multivariate descriptive statistics, multivariate normal distribution, analysis of covariance, MANOVA, multivariate regression, principal components, discriminant analysis, cluster analysis, factor analysis. Some familiarity with R and SAS is expected. *Prerequisite(s): STAT 4451 and STAT 3350*

STAT 4465 Categorical Data Analysis (3)
In recent years, the use of specialized statistical methods for categorical data has increased dramatically, particularly for applications in the biomedical and social sciences. The course gives an introduction to analyzing categorical data. Principal topics include: contingency tables, generalized Linear Models, log-linear models, logistic regression, and models for matched pairs. Two statistical software packages SAS and R will be used appropriately throughout the course. *Prerequisite(s): STAT 3350*

STAT 4466 Statistical Data Mining (3)
Data Mining is a fast-growing interdisciplinary field between Statistics and Computer Science due to the emergence of massive dataset. This course covers an information extraction activity whose goal is to discover hidden facts from large data warehouses. A number of data mining tasks including description, classification, selection, estimation, prediction, and affinity grouping and clustering will be discussed. Also, students will learn how to use data mining software to perform data mining functionalities. *Prerequisite(s): STAT 3350*

STAT 4467 Experimental Design (3)
Fundamental principles of designing and analyzing experiments with application are considered. The concepts of experimental unit, randomization, blocking, replication, error reduction and treatment structure are introduced. The design and analysis of completely randomized, randomized complete block, incomplete block, Latin square, split-plot, repeated measures, factorial and fractional designs will be covered. *Prerequisite(s): STAT 3350*

SOCIAL WORK

SWK 2250 Introduction to Social Work (3)
The student is introduced to the profession of social work. Class focuses on the knowledge, skills and values essential for effective practice. Each student will be provided an opportunity to have direct contact with a practicing social worker.

SWK 2260 Introduction to Non-Profit Organizations (3)
This seminar in non-profit organizations is designed to aid helping professional students develop a basic understanding and knowledge of the history, operation, and structure of non-profit organizations. Will include management, grant writing, and leadership roles.

SWK 2280 Social Work Research I (3)
This course examines the standard research procedures in social and behavioral sciences. Students will gain proficiency in crafting research inquiries, conducting thorough literature surveys, constructing hypotheses, and selecting research methodologies. The focus will be on data collection tools, analytical methods, and the art of composing research reports. We will also delve into the ethical and moral considerations that arise when working with human participants, focusing on respecting the cultural diversity of research participants. The course will underscore the importance of assessing social work practices, encompassing individual-based evaluations and various experimental and quasi-experimental designs. *Prerequisite(s): MTH 1110 or MTH 1112 or higher*

SWK 2281 Social Work Research II (3)
The primary goal of this course is to elevate students' capacity to identify social issues, interventions, and to draw robust and reliable conclusions concerning their practice through research. Various methodologies are underscored, providing students with a toolkit to assess their practice effectively. These methodologies are seamlessly integrated across all stages of the research process, spanning from the identification of problems, research design, sampling, measurement, and data analysis, to the interpretation of findings. To delve

deeper, this course equips students with the knowledge and skills essential for developing, conducting, and reporting on the results of social work research studies. *Prerequisite(s): SWK 2280 or other social research methodology course.*

SWK 3300 US Justice and the Helping Profession(al) (3)
This course will explore historical and current issues in the US justice system that have resulted in the marginalization of disadvantaged populations, who typically enter into this system. It will provide an overview of the US justice system and how it interests with human services and social work. Specifically, the focus will be an exploration of the juvenile and adult justice systems as well as policies and strategies shown favorable in the promotion of social justice and advocacy on behalf of those within the justice system. This class is designed for the student who has a desire to understand how helping professions (social work, human services, rehabilitation) and the US justice system are relevant to each other. This course is advantageous with or without future plans of working in the criminal justice system.

SWK 3301 Children and Family Services (3)
Child welfare services from both the public and private sectors of social work practice will be assessed, emphasizing the availability and effectiveness of services for children and their families in the United States. The historical development of the child welfare movement will be examined.

SWK 3302 Social Service Resources (3)
Examination of social welfare services and institutions, public and private, to include historical development, philosophical basis, structure, and function.

SWK 3303 Crisis Intervention (3)
Case management techniques for dealing with crisis. Crisis theory, stress management, and time-limited intervention will be examined.

SWK 3304 Social Work Practice in Health Settings (3)
A survey of the use of professional social work in a variety of health care delivery settings. Exposure to basic medical terminology needed by social workers. Overview of the social aspects of disease, illness, and disability.

SWK 3320 Human Behavior in the Social Environment II (3)
An examination of the social dynamics of discrimination and oppression and particularly how discriminatory and oppressive environments have potential for negatively affecting biopsychosocial growth and development. *Prerequisite(s): HS 3310*

SWK 3330 Social Work with Military Families (3)
This course is designed as an elective for undergraduate students who wish to increase their knowledge and skills for practice with military personnel, Veterans, and their families. Students will learn about the role of social work within the military and in the Department of Veterans Affairs in meeting the needs of active duty service members, National Guard and Reserve members, Veterans, and their families. Students will develop a working understanding of the history of military social work, aspects of military culture that they will need to know in order to be able to engage and intervene with the social and mental health needs and issues facing this ethnically and culturally diverse population.

SWK 3340 - Social Policy and Planning (3)
Exploration of the social policy formulation process and the building of analysis skills in the evaluation of social policy and programs. The impact of political, economic, and social forces is a focal point and the process of incrementalism in implementation is examined.

SWK 3375 Practicing Cultural Competency (3)
This course provides students with an understanding and appreciation of cultural diversity, ethnic and gender sensitivity, as well as ageism, in social work practice with a variety of populations is highlighted.

SWK 3390 Social Work with Individuals and Families (3)
The melding of the systems and developmental perspectives and the problem-solving approach as a basis for generalist social work practice with individual and family systems. Assessment, intervention, and evaluation skills are developed.

SWK 4471 Social Work with Groups (3)
This course centers on immersing students in the intricacies of group dynamics, providing them with the knowledge and skills essential for recognizing and comprehending the foundational processes at play within groups. This comprehension is the foundation for effective assessment and intervention when dealing with a group as the client system. Through studying group processes, students gain insights into the intricate mechanisms that shape collective behavior, relationships, and decision-making within social work. Having such knowledge will empower students to assess the unique needs, strengths, and challenges of groups they work with and to design interventions that are not only informed by these processes but also tailored to address them effectively. *Prerequisite(s): SWK-ADMIT Admitted to Social Work Program*

SWK 4472 Social Work with Organizations and Communities (3)
This course focuses on the critical areas of assessment and intervention within the context of a community or organization as a client system. Students will develop a deep understanding of the principles and practices involved in addressing the unique challenges and dynamics of these larger-scale systems. Student will be better equipped to facilitate sustainable positive change within the community or organization and to continually enhance the quality and relevance of their social work practice. *Prerequisite(s): SWK-ADMIT Admitted to Social Work Program*

SWK 4480 - Pre-Practicum Seminar (3)
This course will evaluate the student's ability (knowledge, values and skills) required to begin Social Work Field Experience. The class will focus upon areas essential for competent social work practice. In addition, the student will engage in resume development, interviewing skills and other exercises necessary to secure an approved Field placement. Rules and legislation governing social works on the state and federal level will be reviewed. *Prerequisite(s): SWK-ADMIT Admitted to Social Work Program; SWK 3320; HS 3375 or SWK 3375; HS 2250; SWK 2281*

SWK 4481 Social Work Practicum (12)
Placement in a social service agency which provides the opportunity to practice and develop beginning professional social work skills under the joint supervision of a faculty and an agency supervisor. Includes a weekly seminar plus a minimum of 500 hours in a particular agency setting. *Grading system is Pass/Fail. Prerequisite(s): SWK-ADMIT Admitted to Social Work Program and SWK 4480. Practicum site must be approved by instructor during SWK 4480.*

SWK 4482 Social Work Practicum II (6)
Placement in a social service agency which provides the opportunity to practice and develop generalist practice social work skills under the joint supervision of a faculty and an agency supervisor. Includes a weekly seminar plus a minimum of 200 contact hours in a particular agency setting. This is the first of two required Practicum courses. *Grading system is Pass/Fail. Prerequisite(s): SWK-ADMIT Admitted to Social Work Program and SWK 4480. Practicum site must be approved by instructor during SWK 4480.*

SWK 4483 Social Work Practicum III (6)
Placement in a social service agency which provides the opportunity to practice and develop generalist practice social work skills under the joint supervision of a faculty and an agency supervisor. Includes a weekly seminar plus a minimum of 200 contact hours in a particular agency setting. This is the second of two required Practicum courses. The student must complete this course in the same agency as SWK Practicum II. *Grading system is a Pass/Fail. Prerequisite(s): SWK 4482*

THEATRE

THE 1115 Performance and Production Practicum I (1-3)
Provides hands-on training related to theatrical productions in the Department of Theatre and Dance. Practicum students are assigned to casts (performers selected by audition) or crews in design, management, and-or technical theatre areas including scenery, props, lighting, sound, costumes, make-up, business, box office, and publicity. May be repeated for credit.

THE 1130 Introduction to Theatre (3)
An introduction to theatre as a fine art and as a vital part of our western culture, the course focuses on the aspects of audience, production, and performance. It is designed for the student who wishes to gain a fundamental understanding and an appreciation of the theatrical arts in our society.

THE 1132 Introduction to Film (3)
A historical and critical perspective of film production from North America, Europe, and Asia through which modern film production is interpreted, analyzed, and discussed. It is designed for the student who wishes to gain a fundamental understanding and an appreciation of film and its impacts on our culture and society.

THE 1150 Creative Habit (1)
Part of the introductory learning community established at the entry level for incoming theatre and dance students. Centering on Twyla Tharp's book The Creative Habit, the learning community examines strategies for successful studies in Theatre and Dance. Co-requisites: THE 1130, TROY 1101 and permission of department.

THE 1160 Audition and Portfolio Techniques (1)
Contact Hours: 2
This course provides an introduction to the practices and tools in the development of a professional audition, interview, and portfolio, and offers guidance in refining and presenting a professional self-image. *Prerequisite(s): THE 1150, or the permission of instructor*

THE 2211 Theatre for Youth (1)
Contact Hours: 3
Provides introductory exposure to the field of Theatre for Young Audiences, including hands-on experience in skills related to performance, production, literature, creation and development, and pedagogical implications and opportunities.

THE 2215 Performance and Production Practicum II (1-3)
Provides hands-on training related to theatrical productions in the Department of Theatre and Dance. Practicum students are assigned to casts (performers selected by audition) or crews in design, management, and/or technical theatre areas including scenery, props, lighting, sound, costumes, make-up, business, box office, and publicity. May be repeated for credit. *Prerequisite(s): THE 1115*

THE 2216 Performance and Production Practicum III (1-3)
Provides hands-on training related to theatrical productions in the Department of Theatre and Dance. Practicum students are assigned to casts (performers selected by audition) or crews in design, management, and/or technical theatre areas including scenery, props, lighting, sound, costumes, make-up, business, box office, and publicity. May be repeated for credit. *Prerequisite(s): THE 2215*

THE 2221 **Scenic Techniques (2)**
Contact Hours: 3
A study of standard scenic practices and equipment for the theatre. *Prerequisite(s): THE 2271*

THE 2230 **Performance Studio (1-3)**
This course provides a studio structure offering opportunities for student performance and production as well as development of new works, with emphasis on audience response and discussion. May be repeated for credit.

THE 2232 **Musical Theatre Repertoire (2-3)**
This course offers students opportunities to explore the musical theatre canon through historical context, vocal stylization, and performance techniques.

THE 2233 **Survey of the Broadway Musical (3)**
Traces the origins and surveys major works of Broadway musical theatre repertoire.

THE 2234 **Acting the Song (1-3)**
Students apply theatre performance techniques through rigorous individual and group study, with emphasis on good performance habits, storytelling, movement, listening and responding, navigation vocal production, song analysis, stage presence, and development of ensemble.

THE 2245 **Stagecraft Lab (1)**
Contact Hours: 3
Stagecraft Lab provides the basic elements of theatrical production through participation in acting (actors selected through audition), management, and/or technical theatre, including scenery, props, lighting, sound, costumes, makeup, business and publicity.

THE 2251 **Voice and Diction (2)**
Study of individual and group practice in the effective use and control of the mechanics of oral delivery with a focus on the "professional dialect," the general American dialect and/or the standard dialect. Includes use of the International Phonetic Alphabet.

THE 2271 **Fundamentals of Scenery and Lighting (2-3)**
A study of standard technical practices for the theatre within the scenery and lighting production areas.

THE 2272 **Fundamentals of Costumes and Makeup (2-3)**
A study of standard technical practices for the theatre within the costume and makeup production areas.

THE 2291 **Dramatic Literature I (3)**
A continual, enthusiastic, and serious reading of plays is essential to the developing theatrical artist. Students will read a carefully chosen variety of works for the stage and study their historical context/impact, critical merit, and dramatic structure.

THE 3300 **Fundamentals of Acting (2-3)**
An introduction to the basic principles, terminology, and disciplines of the actor.

THE 3301 **Acting I (3)**
Contact Hours: 2
A study of basic principles, terminology, and disciplines of the actor, including relaxation, concentration, movement, and characterization.

THE 3302 **Costume Techniques (2)**
Contact Hours: 3
A study of the techniques of costume construction, including methods of drafting patterns, building and/or modifying costumes, and the application of arts and crafts. *Prerequisite(s): THE 2272*

THE 3303 **Makeup Techniques (1)**
Contact Hours: 2
A study of the theory and techniques of stage make-up. Includes makeup for theatre, film, and video.

THE 3304 **Lighting Techniques (2)**
Contact Hours: 3
A study of stage lighting equipment and lighting practices. *Prerequisite(s): THE 2271*

THE 3313 **Creative Drama (2)**
Study and application of the techniques of creative drama and children's theatre.

THE 3315 **Performance and Production Practicum IV (1-3)**
Provides hands-on training related to theatrical productions in the Department of Theatre and Dance. Practicum students are assigned to casts (performers selected by audition) or crews in design, management, and/or technical theatre areas including scenery, props, lighting, sound, costumes, make-up, business, box office, and publicity. May be repeated for credit. *Prerequisite(s): THE 2216*

THE 3316 **Acting II (3)**
A study of advanced concepts of acting, focusing on script analysis and character development along with further study of voice, movement, and scene dynamics. *Prerequisite(s): THE 3301 or permission of instructor*

THE 3321 **Scenic Design (3)**
The principles and techniques of drafting and designing in a variety of theatrical spaces. *Prerequisite(s): THE 2221 or permission of the instructor*

THE 3329 **Special Topics in Theatre (1-3)**
Examination of selected topics in theatre not included in the established curriculum. Content may be out of a historical, thematic, technological, design, or specialized performance nature. May be repeated for credit.

THE 3330 **Special Topics in Theatre (1-3)**
Examination of selected topics in theatre not included in the established curriculum. Content may be of a historical, thematic, technological, design, or specialized performance nature. May be repeated for credit.

THE 3331 **Costume Design (3)**
A study of the theory, principles, and techniques of costume design applied to a series of theatrical projects. *Prerequisite(s): THE 3302*

THE 3335 **Movement I (2)**
This course centers on the development of physical awareness and expressiveness building an understanding for a psychophysical approach to acting. The course examines personal body use and employs a variety of exercises, techniques, and theories of movement training designed to improve an actor's awareness of impulse and expressiveness of ideas.

THE 3336 **Acting III (3)**
Acting III is an in-depth exploration of advanced concepts of acting focusing on script analysis, character development, period styles, dialects, freedom of movement, and a professional work ethic. Students will also explore ways to find opportunities in film, television, major American markets, and graduate schools. In addition, emphasis will be placed on student's ability to instruct and coach other actors. *Prerequisite(s): THE 3301, THE 3316 or permission of the instructor*

THE 3344 **Lighting Design (3)**
A study of the principles of lighting design and equipment applications. Also covers drafting techniques for lighting. *Prerequisite(s): THE 3304 or permission of the instructor*

THE 3345 **Advanced Stagecraft Lab (1)**
Contact Hours: 3
A continuation of Stagecraft Lab designed for the upper level student. *Prerequisite(s): THE 2245 rotation or permission of instructor*

THE 3346 **Educational and Psychology Assessment in Fine Arts (3)**
This course provides a study of measurement and evaluation techniques for the secondary and P-12 teacher. Emphasis will be placed on the selection, evaluation, administration, scoring and interpretation of selected measures of student performance, achievement and behavior. The student will demonstrate skills in utilizing measurement data to plan appropriate learning activities for students.

THE 3350 **Script Analysis (2-3)**
Focuses on the nature of the text, playwright's purpose, dramatic structure, and style. The course will examine how the actor, director, designer, and technician approach a play and how that understanding translates into the staging.

THE 3352 **Sound Techniques (2)**
A study of digital and analog recording techniques, recording equipment, and application.

THE 3354 **Rendering Techniques for the Theatre (2)**
A study and application of traditional and experimental techniques for theatrical rendering, including watercolor, markers, pastels, pencils, and other media.

THE 3360 **Playwriting I (3)**
This course is an introductory class for creative students interested in writing plays. The course is designed to teach students to create with the basic building blocks of dramatic structure, character development, good dialogue, strong storytelling, and offers methods for marketing students and their work.

THE 3365 **Fundamentals of Design for Theatre (3)**
An Introduction to theatrical design and conceptual thought through interpretation, visualization, and applied practices.

THE 3370 **The Theatre Professional (3)**
A preparation course that provides upper-level students with the tools to launch their professional theatrical career and livelihood. *Prerequisite(s): Junior status*

THE 3380 **Travel Study in Theatre (1-3)**
Supervised study of theatre through travel abroad or within the United States. May be repeated for credit. *Prerequisite(s): Permission of instructor*

THE 4415 **Performance and Production Practicum V (1-3)**
Provides hands-on training related to theatrical productions in the Department of Theatre and Dance. Practicum students are assigned to casts (performers selected by audition) or crews in design, management, and/or technical theatre areas including scenery, props, lighting, sound, costumes, make-up, business, box office, and publicity. May be repeated for credit. *Prerequisite(s): THE 3315*

THE 4416 **Performance and Production Practicum VI (1-3)**
Provides hands-on training related to theatrical productions in the Department of Theatre and Dance. Practicum students are assigned to casts (performers selected by audition) or crews in design, management, and/or technical theatre areas including scenery, props, lighting, sound, costumes, make-up, business, box office, and publicity. May be repeated for credit. *Prerequisite(s): THE 4415*

THE 4432 **Playwriting II (3)**
This course is a developmental class for students interested in pursuing further instruction in playwriting and screenwriting. This course is designed to challenge students to master an understanding of causal dramatic structure, and to break free of convention, developing their own voices, styles and storytelling techniques. *Prerequisite(s): THE 3360*

THE 4441 **Oral Interpretation (2)**
Study and application of the principles and practices of oral interpretation (reading) of literature, including individual and ensemble performance.

THE 4443 **Theatre History I (3)**
Through the study of literature and dramaturgy, this course traces the history of theatre from the

origins of drama to English Restoration drama of the 18th century. *Prerequisite(s): ENG 2205*

THE 4444 Theatre History II (3)
Through the study of literature and dramaturgy, this course traces the history of the theatre from the 19th century to the present. *Prerequisite(s): ENG 2206*

THE 4451 Directing I (3)
Script analysis and directing principles with studies in the direction of scenes from contemporary plays. *Prerequisite(s): THE 3301*

THE 4452 Directing II (2-3)
Advanced study of directing, extending to period styles and culminating with the production of a one act play. *Prerequisite(s): THE 3301, THE 4451*

THE 4454 Creative Project (2)
Requirement for all graduating theatre majors in a comprehensive program of study. Couse involves creation of a theatrical event or process within the student's concentration area. The student will develop a major field-related project, including conceptual proposal and written and verbal defense of project. This course will facilitate the comprehensive assessment of student mastery in theatrical production.

THE 4455 Theatre Senior Capstone (1-2)
Senior seminar requiring students to integrate and extend the knowledge and practice of theatre as they investigate and plan post-graduate opportunities. Students complete a comprehensive exit exam, complete a program assessment and take the Praxis II in the Theatre content area. *Prerequisite(s): Senior Status*

THE 4456 Developing an Educational Theatre Program (2)
Administration aspects of an educational theatre program (P-12) including scheduling, recruitment, appropriate use of support groups and partnerships, play selection, evaluation, purchase and maintenance of resource materials and equipment, business management, performance, co-curricular and extracurricular events such as festivals and competitions. Also include theatre careers and other opportunities utilizing theatre skills as well as national theatre standards for P-12. *Prerequisite(s): THE 4451, junior status*

THE 4460 Advanced Special Topics in Theatre (1-3)
Examination of advanced selected topics in theatre not included in the established curriculum. May be repeated for credit.

THE 4472 Internship in Grades P-12 (9)
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite(s): Admission to TEP. Co-requisite(s): IED 4454*

THE 4481 Methods and Materials for the Theatre Teacher (3)
Teaching methods, selection, organization and use of theatre related materials and resources in grades P-12. Units of study will be categorized by grade levels. Observation and teaching experience will be included. *Prerequisite(s): THE 3313, THE 4456, EDU 3310, admission to TEP*

THE 4491 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

THE 4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated for 1 to 3 credits hours per course per semester. *Prerequisite(s): Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of the department chair and dean. Guided Independent Research may be taken only in the applicant's major or minor field.*

THE 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.*

THE 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement skills. Also see "Independent Study and Research" under Academic Regulations for additional information. **Note:** This course may be repeated 1 to 3 credit hours per course per semester. *Prerequisite(s): Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or*

dean. May not be used to repeat a course for which a grade of D or below has been earned. This course may not be substituted for any required course.

THE 4496 Internship (3-6)
An internship with a recognized professional theatre program or company in which the student is assigned specific tasks in one of the recognized areas of theatre arts. The number of credit hours earned will depend upon the number of hours contracted for in the internship agreement. The course is designed to give the student an opportunity for practical application of skills in theatre arts in a professional theatre setting. The student must apply and meet admission requirements.

THE 4497 Internship (3-6)
An internship with a recognized professional theatre program or company in which the student is assigned specific tasks in one of the recognized areas of theatre arts. The number of credit hours earned will depend upon the number of hours contracted for in the internship agreement. The course is designed to give the student an opportunity for practical application of skills in theatre arts in a professional theatre setting. The student must apply and meet admission requirements.

TROY UNIVERSITY

TROY 1101 The University Experience (1)
The primary purpose of this course is to assist entering students in acquiring the necessary knowledge and skills to manage effectively the Troy University campus environment in order to maximize their potential for success at the University, in their careers, and throughout their lives. *Note: Grade of D or better to pass this course. Students must retake this course if they do not meet minimum passing requirements.*

TROY 1102 Major Exploration and Planning (1)
Contact Hours: 3
The primary purpose of this course is to assist students who are exploring their educational career paths to identify interests, skills and values, and to develop goals. It also serves to assist non-traditional students considering a career change. *Note: TROY 1102 is 3 credit hours for Troy Campus students and 1 credit hour for Dothan Campus students. This course is for institutional credit only and will not be used in meeting degree requirements. This course will not substitute for any general studies requirement.*

TROY 1104 Informed Citizenship (1)
This course is designed to examine the role of academic scholarship and the intellectual, civic and interpersonal outcomes of higher education. Through the course, students will engage in a service learning project while studying and reflecting on readings and activities to promote critical thinking skills, civic engagement and student success. *Pre/Corequisite(s): TROY 1101, Membership in First Year Studies Program Learning Community*

TROY 1105 Learning Mindset Freshman Seminar (3)
There are two primary purposes of this course. 1. This course will assist entering students in acquiring the necessary knowledge and skills to effectively manage the Troy University campus environment in order to maximize their potential for success at the University, in their careers, and throughout their lives. 2. This course will equip Troy University students with information, skills and experiences necessary for effective collegiate and lifelong learning. Students will be presented with strategies and practices for inclusion in other courses offered at Troy University, with a particular focus on English and Mathematics courses. Growth Mindset Theory and metacognitive learning strategies will be introduced to students. Self-awareness, self-management, time management, goal setting, and other topics will be discussed. *Note: Grade of D or better to pass this course. Students must retake this course if they do not meet minimum passing requirements.*

TROY 1120 Peer Mentor Training (1)
Students seeking a position as a peer mentor must participate in the class seminar for each topic. This course involves student's active engagement in the delivery of peer education programs and services to the Troy campus community. The intent of this course is to provide students with the skills to facilitate one-on-one mentoring, health promotion among peers, and group presentations on health-related content to their peers. Students will learn about the programs and services at Troy University and will be able to articulate this to students in need of services. Students will also learn basic wellness, mental health and alcohol and other drug information in preparation for presentation to their peers.

TROY 1160 Public Issues First Year Seminar (2)
Students will develop academic skills needed for college success while exploring civic and global issues faced in the 21st century. Students will develop an understanding of Troy University, career and scholastic development while engaging in critical thinking, readings and a service learning project focused on a public issue.

TROY 3300 College to Career (3)
The primary purpose of this course is to aid students in making a successful transition from college to career. It also serves to aid non-traditional students in career transition.

UNMANNED AERIAL SYSTEMS

UAS 2200 Unmanned Aerial Systems Overview (3)
The purpose of this course is to provide the student with an overview of the Spectrum of UAS design, operations, and employment considerations. The student will study the developmental history of UAS systems. UAS operations within the National Airspace System and existing and proposed Federal Aviation Administration regulations will be

extensively covered. Students will understand the basic physics of atmospheric flight.

UAS 2202 Principles of UAS Design (3)
An in-depth look at military and civilian UAS designs. The Northrop-Grumman Global Hawk, General Atomics Predator, micro-UAVs and U.S. Army small reconnaissance vehicles will be featured.

UAS 2204 Principles of UAS Sensors & Sensing Systems (3)
Course will cover the design considerations, packaging, and employment of various sensors and systems for UAS. Electro-optical, Forward Looking Infrared, low light, electronic sensing, and other remote sensors will be featured. Systems Integration Factors in Platform Selection is included.

UAS 2206 Human Factors in UAS Operations & Accidents (3)
The physical, emotional, and environmental aspects of military and civilian UAS operations will be analyzed. The impact of human error including workload, fatigue, poor situational awareness, inadequate training, lack of crew coordination and poor ergonomic design on increasing UAS accident rates will be discussed. The effects of the unique remote piloting environment on mental workload will be considered.

UAS 2208 Legal & Ethical Considerations for UAS Operations (3)
Discuss FAA guidelines and ethical issues, including international laws of war. Case studies on drone strikes, police surveillance, and other relevant topics.

UAS 2210 Real World Applications (3)
Using UAS technology in the real world, such as law enforcement, national security, public affairs, natural resources, forest fire detection, remote sensing, aerial surveillance, oil-gas exploration, transportation, conservation, and scientific research. Case studies in actual applications.

UAS 2212 UAS Piloting Familiarization (3)
This will be a laboratory split between UAS operations instruction and actual UAS piloting. The student will learn basic flight and mission planning techniques, and will be prepared to pass the FAA part 107 "Remote Pilot" certification. Students will participate in quadcopter and fixed wing drone setup, flight safety, mission programming, virtual practice, and "hands on" flight experience (fixed wing drone flight will be simulated using student input).

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DIVISIONS OF THE UNIVERSITY

I. Academic Affairs

Chief Operating Officer, Dothan Campus. .....Kirk Davis, Ph.D.
Interim Chief Operating Officer, Montgomery Campus .....
…..... Ray White, M.S.
Vice Chancellor, Phenix City Campus. Dionne Rosser-Mims, Ph.D.
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…..... Mary Anne Templeton, Ph.D.
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.....Fred Figliano, Ph.D.
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Executive Director, JWS Center for Student Success……
....Lauren Cole, M.B.A.
Interim Executive Director, Institute for Civic & Global Leadership
.....John Schmidt, Ed.D.
Assistant Director, Graduate School. ..... Tammy Allen, M.S.
Director, University Honors Global Scholars Program…….
……..……Priya Menon, Ph.D.

II. Financial Affairs and Online Education

Vice Chancellor…….Tara Donaldson, M.B.A., CPA
Associate Vice Chancellor and Controller…….....
……..Conni Moseley, M.Acct., CPA
Associate Controller ..... Gordana Heffner, M.B.A.
Assistant Controller ..... Shelley Jordan, M.B.A.
Associate Vice Chancellor, Human Resources .....
.....Ashley English, M.S., CPCU, CIC
Associate Vice Chancellor, Online Education .....
.....Jody A. Cebina M.A.
Vice Chancellor for Information Technology and CSO/CTO……
……Greg Price, Ph.D.
Director, Student Financial Services..... Amanda Raiti, M.S.H.R.M.
Director, Foundation Accounting……...Jennifer Stone, M.B.A.
Director, Dining Services. ..... Derek Augustine, B.S.
Director, Physical Plant..... Robert Burkey, B.B.A.
Director, Procurement and Asset Management.....
.....April Johnson, M.B.A.
Director, Accounts Payable. ..... Angela Lindsey, M.S.
Associate Vice Chancellor, Financial Affairs/University Registrar.
.....Kim Shaver, M.S.
Associate University Registrar..... Chris Waid, M.S.
Associate University Registrar, Director of Academic Evaluation
Center……....Donna Bragg, B.B.A.
Campus Registrar, Dothan. ..... Melissa Lambert, M.S.
Campus Registrar, Montgomery .....Beth Potts, B.S.
Campus Registrar, Phenix City .....Maggie Uphaus Bonds, M.S.

III. Government and External Relations

Associate Vice Chancellor, Development and Alumni Engagement..
…….……Debbie Vaughn, M.S.
Director, Alumni Affairs. ..... Faith West Byrd, M.S.
Director, Annual Giving & Special Projects….. Sydney Owens, B.S.
Director, Sponsored Programs. ..... ……..Vacant.
Director, Advancement Services. .....Holly Adams, M.S.
Director, Development. ..... Lauren Chandler, M.S.
Director, Development……Vacant
Director, Development.....Vacant
Director, Development.....Vacant

IV. Student Affairs

Associate Vice Chancellor for Enrollment Management.....
.....Blake Bedsole, Ed.D.
Associate Vice Chancellor, Financial Aid. ..... Alicia Bookout, M.A.
Associate Vice Chancellor, Marketing and Communication .....
.....Leslie Scrushy, B.S.
Director, Financial Aid/Veteran Affairs..... Teresa Hussey, B.S.
Senior Director of Enrollment Services for Military and
Out-of-State Operations. .....Staci Hutto, M.P.A.

Dean, International Student Services.....Maria Frigge, M.S.
Dean, Student Services (Troy). ..... Herbert E. Reeves, M.S.
Associate Dean, Student Services..... Shane Tatum, Ph.D.
Associate Dean, Student Life.....Vacant
Associate Dean, Student Services (Dothan) .....
.....Sandy Henry, M.S.HRM
Associate Dean, Student Services (Montgomery) .....
….....Jim Smith, M.S.
Chief Marketing Officer.....Samantha Johnson, B.A.
Senior Director of Communications. ..... Matt Clower, B.S.
Director of Communications. ..... Andy Ellis, B.S.
Director, Web Communication. .....Vacant
Director, Advertising. .....Rob Drinkard, B.S.
Executive Director, AGSC/STARS. .....Keith Sessions, Ed.D.
Director, Student Involvement and Leadership .....
…….Korrie Lynn Williamson, Ph.D.
Director, Military & Veteran Affairs..... Scot Brumbeloe, B.S.
Chief of University Police. .....George Beaudry, B.S.

Complete faculty information is available from the Office of the Senior Vice Chancellor for Academic Affairs.

UNDERGRADUATE FACULTY

Adhikari, Rkshak, 2023. *Assistant Professor,* Troy. B.S., Troy University, 2020.

Ahmed, S.M. Tanvir, 2025. *Assistant Professor,* Troy. B.B.A., North South University, 2012., M.S., Valparaiso University, 2016., Ph.D., Clark University, 2023.

Akbas, Halil, 2018. *Associate Professor,* Troy. B.S., National Policy Academy (Ankara, Turkey), 1996. M.A., University of Louisville, 2005. Ph.D., University of Cincinnati, 2009.

Alam, Md Nabid, 2023. *Assistant Professor,* Troy. B.B.A., University of Dhaka, 2009. M.B.I.S., Australian National University, 2013. Ph.D., University of North Carolina at Greensboro, 2021.

Alberich, Johanna Mendez, 2007. *Assistant Professor,* Troy. B.S., Auburn University, 1998. Master of Hispanic Studies, Auburn University, 2001. Ph.D., University of Alabama, 2006.

Allen-Jones, Rebecca, 2021. *Assistant Professor,* Troy. A.S.N., Troy University, 2012. B.S., Troy University, 2009. B.S.N., Troy University, 2014. M.S.N., Troy University, 2017. D.N.P., Troy University, 2023.

Alon, Kedem, 2024. *Professor of Aerospace Studies,* Troy. B.S., United States Air Force Academy, 2009. Master of Military Operational Art and Science, Air University, 2022.

Andrews, Kimberly, 2016. *Lecturer,* Troy. A.S.N., Southern Union State Community College, 1996. B.S.N., Troy State University, 2004. M.S.N., South University, 2008. D.N.P., Troy University, 2022.

Arakas, James, 2019. *Assistant Professor,* Troy. B.A., Wofford College, 2012. M.F.A., Arizona State University, 2017.

Armstrong, Brittney, 2015. *Associate Professor,* Troy. B.S.N., Troy State University, 1998. M.S.N., Troy State University, 2004. D.N.P., Troy University, 2017.

Armstrong, Michelle, 2017. *Lecturer,* Troy. B.S., Troy State University, 1994. M.S.Ed., Troy State University, 1995.

Arrington, David L., 2005. *Assistant Professor,* Dothan. B.S., University of Southern Mississippi, 1997. Ph.D., The University of Alabama, 2008.

Arteta, Alberto, 2015. *Associate Professor,* Troy. Bachelor's in Mathematics, National University of Madrid, 1998. Master's in Artificial Intelligence, Polytechnic University of Madrid, 2012. Ph.D., Polytechnic University of Madrid, 2011.

Ash, Stacey, 2022. *Lecturer,* Troy. A.A.S., George Wallace Community College, 2013. B.S.N., Troy University, 2015. M.S.N., University of South Alabama, 2018.

Atwater, Christopher, 2019. *Associate Professor,* Troy. B.A., Skidmore University, 1996. M.S., Virginia Commonwealth University, 2006. Ph.D., Virginia Commonwealth University, 2010.

Auni, Anika, 2024. *Lecturer,* Troy. B.S., University of Dhaka, 2011., M.S., University of Dhaka, 2013., Ph.D., Washington State University, 2024.

Austin, Sierra, 2023. *Lecturer,* Montgomery. B.S.N., Troy University, 2018. M.S.N., Troy University, 2023.

Averett, Victoria, 2013. *Assistant Dean, College of Communication & Fine Arts; Associate Professor,* Troy. B.M.E., Troy State University, 2001. B.S., Troy University, 2007. M.S., Troy University, 2008. M.F.A., Georgia College & State University, 2013.

Ayadi, Jihene, 2022. *Assistant Professor,* Global Campus. M.S., Valdosta State University, 2012. Ph.D., University of Arkansas, 2019.

Baek, Chung, 2006. *Professor,* Troy. B.S., Yonsei University, 1997. M.S., University of Nebraska-Lincoln, 2001. Ph.D., University of Nebraska-Lincoln, 2006.

Baggett, Courtney, 2017. *Associate Professor,* Troy. B.A., Troy University, 2012. Ph.D., Florida State University, 2016.

Bailey, Melissa, 2018. *Assistant Professor,* Troy. B.S., University of West Alabama, 2006. M.P.A., Auburn University Montgomery, 2008. Ph.D., Auburn University, 2017.

Baker Heather, 2022. *Lecturer,* Montgomery. B.S.N., Auburn University Montgomery, 2001. M.S.N., Auburn University, 2018.

Baran, Mette, 2024. *Lecturer,* Troy. B.S., DePaul University, 1991. M.B.A., DePaul University, 1993. Ed.D., DePaul University, 2006.

Barati, Aboulfazl, 2024. *Assistant Professor,* Troy. B.S., Petroleum University of Technology, 1995. M.S., Tarbiat Modares University, 1997. Ph.D., Tarbiat Modares University, 2003.

Barron, Shannon, 2019. *Lecturer,* Troy. B.S., Troy University, 2006.

Baxter, Christopher, 2024. *Lecturer,* Global Campus. B.B.A., Augusta University, 2005. M.Ed., Augusta University, 2015. Ph.D., North Carolina State University, 2022.

Beattie, Heidi, 2014. *Associate Professor,* Troy. B.A., University of Nebraska-Lincoln, 2009. M.A., University of Nebraska-Lincoln, 2011.

Beaver, Rodney W., 1994. *Professor,* Dothan. B.S., North Carolina State University, 1978. Ph.D., North Carolina State University, 1982.

Beck, Kenneth, 2017. *Lecturer,* Troy. B.M.E., Troy University, 2012. M.S.Ed., Troy University, 2015.

Belbase, Shashidhar, 2023. *Associate Professor,* Dothan. B.Ed., Tribhuvan University, 1996. B.S., Tribhuvan University, 1999. M.Phil., Tibhuvan University, 1998. M.S., University of Wyoming, 2011. Ph.D., University of Wyoming, 2015.

Belda, Tiffany, 2024. *Assistant Professor,* Troy. B.F.A., FAAP University, 1998., M.F.A., Savannah College of Art & Design, 2024.

Belyi, Sergey V., 1996. *Professor,* Troy. B.S., Donetsk State University, 1990. M.S., Donetsk State University, 1992. Ph.D., University of South Florida, 1996.

Bennett, Delaine, 2019. *Assistant Professor,* Phenix City. B.S., Troy State University, 1993. M.S., Troy State University, 1997. Ed.D., Columbus State University, 2018.

Benton, Brian, 2012. *Lecturer,* Global Campus. B.A., Auburn University, 1995. B.M.E., Auburn University, 1997. J.D., Samford University, 1999.

Berlingo, Lauren, 2023. *Assistant Professor,* Troy. B.A.E., Florida Atlantic University, 2014. M.Ed., Florida Atlantic University, 2018. Ph.D., Florida Atlantic University, 2023.

Berwager, Kelly, 2013. *Lecturer,* Troy. B.A., Birmingham-Southern College, 1986. M.A.E., The University of Alabama at Birmingham, 1995. Ph.D., The University of Alabama, 2013.

Black, Walter, 2022. *Lecturer,* Troy. B.F.A., Troy University, 2019.

Blackstock, Timothy A., 2008. *Professor,* Troy. B.A., Newberry College, 2002. M.A., Tennessee Technological University, 2005. D.M.A., University of Kansas, 2008.

Blankenship, Stan, 2018. *Lecturer,* Troy. B.S., Troy State University, 1980. M.B.A., Troy State University, 1981.

Blum, Elizabeth Dian, 2000. *Professor,* Troy. B.A., University of Texas at Austin, 1991. M.A., University of Houston,1997. Ph.D., University of Houston, 2000.

Bonds, Patrick, 2010. *Lecturer,* Troy. B.A., Baylor University, 1994. M.A., University of New Orleans, 2000. M.Phil., University of Dublin, 2000. Ph.D., Louisiana State University and A&M College, 2011.

Booker, Samantha, 2018. *Assistant Professor,* Dothan. B.S., Jacksonville State University, 2007. M.Ed., University of Montevallo, 2009. Ed.S., Jacksonville State University, 2012. Ph.D., Auburn University, 2018.

Bonds, Timetria, 2025. *Lecturer,* Troy. B.S., Alabama State University, 2005., M.S., University of South Florida, 2009., Ph.D., University of South Florida, 2012.

Booth, Karri, 2019. *Lecturer,* Troy. B.S.N., Troy State University, 2004. M.S.N, Troy University, 2019.

Boutwell, Jessica, 2024. *Lecturer,* Troy. B.S., Troy University, 2011. M.S., Troy University, 2024.

Boyas, Javier, 2022. *Professor,* Troy. B.A., Western Illinois University, 1997. M.S.W., University of Michigan, 2000. Ph.D., Boston College, 2007.

Boyd, Christopher, 2014. *Assistant Professor,* Troy. B.S., Auburn University, 1994. M.S., Clemson University, 1997. Ph.D., Auburn University, 2006.

Boyd, James, 2017. *Lecturer,* Troy. B.F.A., Purchase College SUNY, 2010. M.F.A., Jacksonville University, 2020.

Boyd, Kristina, 2016. *Lecturer,* Troy. B.S., Logan University, 2004. D.C., Logan College of Chiropractic, 2006.

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Carlson, Robert David, 2009. *Lecturer,* Troy. B.F.A., Valdosta State University, 1987. M.A., Valdosta State University,1999. Ph.D., Emory University, 2009.

Carlson, Robert F., 2005. *Assistant Professor,* Phenix City. B.A., Georgia Southwestern College, 1971. M.A., Georgia Southern University, 1973. M.S., Columbus State University, 1998. Ph.D., Emory University, 1992.

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Everhardt, Sharon, 2014. *Associate Dean of Academics and Administration, College of Arts and Sciences; Associate Professor,* Troy. B.A., The University of Toledo, 2002. M.A., The University of Toledo, 2004. Ph.D., Wayne State University, 2009.

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Fournier, Rachel, 2013. *Lecturer,* Troy. B.A., Auburn University, 2009. Master of Hispanic Studies, Auburn University, 2012.

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Johnson, Joseph W., 2014. *Associate Professor,* Troy. B.S., Appalachian State University, 1994. M.S., University of Nebraska-Omaha, 2007. Ph.D., University of Nebraska-Lincoln, 2011.

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Johnson, Leigh, 2018. *Lecturer,* Troy. B.A., The University of Alabama, 1992. M.S., Troy State University, 1994.

Johnson, Teresa W., 2004. *Professor,* Troy. B.S., University of Montevallo, 1984. M.A., Auburn University, 1987. Doctor of Clinical Nutrition, University of Medicine & Dentistry of New Jersey, 2010.

Johnson, Theresa M., 2004. *Assistant Professor,* Troy. B.A., Troy State University, 1976. M.Ed., Troy State University, 2004. Ph.D., Northcentral University, 2015.

Jones, Allen, 1998. *Professor,* Troy. B.S., Francis Marion University, 1987. M.A., University of South Carolina, 1992. Ph.D., University of South Carolina, 1998.

Jones, Jacqueline, 2015. *Associate Professor,* Troy. B.S., Alabama State University, 2007. M.S., Troy University, 2013. Ph.D., Tuskegee University, 2012.

Jones, Rebecca, 2018. *Lecturer,* Troy. B.S., Troy University, 2010. M.S.W., Western Kentucky University, 2013.

Jones, Stacey Jayroe, 2007. *Professor,* Troy. B.S.N., Troy State University, 1995. M.S.N., Troy State University, 2001. D.N.P., The University of Alabama at Birmingham, 2011.

Jordan, Savannah, 2024. *Lecturer,* Troy. B.S., Troy University, 2020., M.L.A., Auburn University at Montgomery, 2022.

Jung, Byungkwan, 2020. *Assistant Professor,* Troy. B.B.A., Kyung Hee University, 2011. M.S., South Dakota State University, 2014. Ph.D., Texas Tech University, 2019.

Kane, Eva, 2018. *Associate Professor,* Troy. B.S., Auburn University, 2006. M.E., Auburn University, 2008. Ph.D., Auburn University, 2015.

Keck, Catherine, 2018. *Lecturer,* Troy. B.S., Troy State University, 1996., M.S., Troy State University, 1999.

Kennell, Amanda, 2023. *Assistant Professor,* Troy. B.S., University of North Georgia, 2016. M.S., The University of Alabama at Birmingham, 2018. Ph.D., The University of Alabama at Birmingham, 2023.

Kerr, Kimberly K., 2010. *Lecturer,* Montgomery. B.S., Auburn University, 1997. Master of Zoological Studies, Auburn University, 1998.

Kilcrease, Lauren, 2014. *Lecturer,* Troy. B.S., Auburn University, 2002. M.S.N., Troy University, 2009.

Kim, Haksoon, 2009. *Associate Professor,* Montgomery. B.A., Korea University, 2002. M.B.A., Korea University, 2004. M.A., University at Buffalo, 2004. Ph.D., Louisiana State University, 2009.

Kim, MinKil, 2010. *Associate Professor,* Global Campus. B.B.A., Yong-In University, 2000. B.S., University of Alabama, 2003. M.S., University of Florida, 2006. Ph.D., University of Florida, 2010.

Kimbro, Jessica, 2022. *Lecturer,* Troy. B.S.B.A., Troy University, 2009. M.B.A., Troy University, 2011.

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Kobeleva, Ekaterina, 2013. *Lecturer,* Troy. B.A., Kirov State Pedagogical University, 1990. M.A., Kirov State Pedagogical University, 1990. M.S., Troy State University, 1996. Ph.D., Nizhniy Novgorod State Pedagogical University, 2004.

Kolasa, Thomas Stanley, 2007. *Assistant Professor,* Troy. B.A., The University of Michigan, 1990. Ph.D., Washington University in St. Louis, 1999.

Koo, Win (Gi-Yong), 2013. *Professor,* Troy. B.S., Yonsei University, 1996. M.S., Yonsei University, 1999. Ph.D., University of Arkansas, 2012.

Krishnamoorthy, Anand, 1999. *Professor,* Global Campus. B.S., Purdue University, 1992. M.S., Purdue University, 1995. Ph.D., Florida Atlantic University, 1999.

Kumar, Suman, 2011. *Professor,* Troy. B.Tech., Banaras Hindu University, 2004. Ph.D., Louisiana State University, 2010.

Landers, Stephen C., 1993. *Professor, Eminent Scholar,* Troy. B.S., Iowa State University, 1983. M.S., North Carolina State University, 1985. Ph.D., North Carolina State University, 1990.

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Law, Teresa, 2016. *Assistant Professor,* Troy. B.S.N., Troy State University, 2002. M.S.N., The University of Alabama at Birmingham, 2006. D.N.P., Troy University, 2019.

Leach, Beverly West, 2010. *Lecturer,* Troy. B.F.A., Columbus College of Art and Design, 1982. M.F.A., Pennsylvania State University, 1984.

Ledet, Richard, 2013. *Associate Professor,* Troy. Bachelor of General Studies, Louisiana State University and A & M College, 2000. M.A., San Diego State University, 2003. M.A., University of Notre Dame, 2008. Ph.D., University of Notre Dame, 2011.

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Leigh, Katherine H., 2010. *Professor,* Dothan. A.S.N., Chipola College, 1998. B.S.N., Florida State University, 2000. M.S.N., University of South Alabama, 2006. D.N.P., University of South Alabama, 2010.

Lemoine, Pamela, 2018. *Assistant Professor,* Phenix City. B.A., Nicholls State University. M.Ed., McNeese State University. Ed.D., University of Louisiana at Lafayette, 2011.

Lewis, Heather, 2016. *Associate Professor,* Troy. B.S.B.A., Glenville State College, 2006. M.B.A., Fairmont State University, 2011. Ph.D., Iowa State University, 2017.

Lewis, Jonathan, 2010. *Associate Professor,* Global Campus. B.A., Emory University, 1994. M.A., Georgia State University, 1997. Ph.D., University of California at Riverside, 2003.

Lewis, Onick, 2015. *Assistant Professor,* Troy. B.A., West Virginia University, 2005. S.W.K., West Virginia University, 2008. Ed.D., Grand Canyon University, 2019.

Lewis, Stephanie, 2015. *Professor,* Phenix City. B.S.N., Purdue University, 1988. M.S.N., University of Phoenix, 2006. Ph.D., University of Tennessee Knoxville, 2013.

Leyva Pizano, Arturo, 2024. *Assistant Professor,* Troy. B.S., US Sports Academy, 2010. M.A., University of Miami, 2019. Ph.D., University of Miami, 2015.

Lim, Joungbin, 2015. *Associate Professor,* Troy. B.A., Chung-Ang University, 1995. M.A., Southwestern Baptist Theological Seminary, 2002. M.A., Texas A&M University, 2005. Ph.D., University of Virginia, 2011.

Liu, Shaoyang, 2012. *Professor,* Troy. B.S., University of Science & Technology of China, 2002. Ph.D., University of Science & Technology of China, 2007.

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Long, Jennifer, 2024. *Lecturer,* Troy. B.S., Bowling Green State University, 1995., M.L.S., Kent State University, 1997.

Lu, Yuecheng, 2023. *Lecturer,* Troy. B.M., The Xi'an Conservatory of Music, 2018. M.M., The University of South Florida, 2020. D.M.A., The University of Southern Mississippi, 2023.

Lukjan, Suzanne, 2013. *Lecturer,* Troy. B.S., University of South Alabama, 2006. Ph.D., University of Florida, 2011.

Ma, Long, 2017. *Associate Professor,* Troy. B.S., Taishan University, 2011. M.S., Georgia State University, 2013. Ph.D., Georgia State University, 2017.

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Maiden, Rodney, 2016. *Associate Professor,* Montgomery. B.B.A., Northeast Louisiana University, 1991. M.P.A., Southern University A&M College, 2001. M.S., The University of North Texas, 2005. Ph.D., The University of Iowa, 2014.

Mariano, Gina J., 2010. *Associate Professor,* Troy. B.S., Kings College, 1997. M.A., Immaculata University, 2000. Ph.D., Virginia Tech, 2008.

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McCoy, Leah, 2023. *Assistant Professor,* Troy. B.A., West Virginia University, 2009. M.A., Sam Houston University, 2011. M.S.W., University of Georgia, 2023. Ph.D., Sam Houston University, 2015.

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McGowan, Joshua, 2018. *Assistant Professor,* Troy. B.S., Troy University, 2015. Master of Accountancy, Troy University, 2016. D.B.A., Creighton University, 2021.

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Medeiros, Avington, 2018. *Lecturer,* Troy. B.S., Troy University, 2006. M.S., Troy University, 2007. M.Ed., Faulkner University, 2013. Ed.D., The University of West Alabama, 2022.

Mendel, Traci R., 2010. *Lecturer,* Troy. B.M., Centenary College of Louisiana, 1990. M.M., Florida State University, 1996. D.M., Florida State University, 2002.

Menon, Govind K., 1996. *Professor,* Troy. B.S., Troy State University, 1991. M.S., University of Alabama at Birmingham, 1993. Ph.D., University of Alabama at Birmingham, 1997.

Menon, Priya, 2008. *Professor,* Troy. B.A., University of Calicut, 1996. B.Ed., University of Calicut, 1999. M.Ed., Troy University, 2005. Ph.D., Georgia State University, 2010.

Merriman, Scott A., 2008. *Lecturer,* Montgomery. B.A., College of Wooster, 1991. M.A., University of Cincinnati, 1995. Ph.D., University of Kentucky, 2003.

Metzger, Barbara, 2013. *Assistant Professor,* Troy. B.A., Converse College, 1988. M.A., West Virginia University, 1990. Ph.D., West Virginia University, 1992.

Miller, Barbara, 2014. *Professor,* Dothan. B.S.N, Troy State University, 1997. M.S.N., Troy University, 2007. Ph.D., George Baptist College of Nursing of Mercer University, 2013.

Miller, Elizabeth, 2019. *Associate Professor,* Troy. B.S.N., Troy State University, 2005., M.S.N., Troy University, 2010., D.N.P., Troy University, 2018.

Miller, Jonathan, 2016. *Lecturer,* Troy. B.S., Troy University, 2006. M.S., Troy University, 2009.

Miller, William, 2025. *Assistant Professor,* Troy. B.M.E., Troy University, 2014., M.A., Troy University, 2017., Ph.D., Baylor University, 2022.

Milligan, Meg, 2006. *Professor,* Phenix City. B.A., American University of Beirut, 1972. Ph.D., Auburn University, 2003.

Mills, Michael, 2025. *Assistant Professor,* Troy. B.M.E., University of Utah, 2010., M.M.E., Kansas State University, 2021.

Mitchell, Dena, 2012. *Assistant Professor,* Troy. B.B.A., University of Alaska Anchorage, 2006. Master of Accounting, Florida State University, 2010.

Mixon, Phillip Anthony, 2007. *Associate Professor,* Troy. B.A., Mississippi State University, 2003. Ph.D., Mississippi State University, 2012.

Morelock, Tara, 2021. *Lecturer,* Troy. B.S.B.A., Troy University, 2008. M.B.A., Troy University, 2010.

Morris, Michael Wayne, 2006. *Professor,* Troy. B.S., Delta State University, 1986. M.S., Mississippi State University, 1987. Ph.D., University of Florida, 1993.

Morrison, Rodger Glenn, 2001. *Professor,* Troy. B.S., Troy State University, 1999. M.B.A., Troy State University, 2004. M.S., Troy University, 2010. Ph.D., Auburn University, 2008.

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Na, Ilhwan, 2024. *Assistant Professor,* Troy. B.S., Hanyang University, 2012. M.S., Hanyang University, 2017. Ph.D., University of Kansas, 2024.

Nanzer, Rachel, 2018. *Lecturer,* Montgomery. B.S.N, Auburn University Montgomery, 2000. M.S.N., Benedectine University, 2012.

Naym, Junnatun, 2024. *Assistant Professor,* Troy. B.B.A., University of Dhaka, 2011. M.B.A., University of Dhaka, 2013. M.B.A., Eastern Illinois University, 2019.

Ndeh, F. Festus, 2008. *Associate Professor,* Troy. B.S., University of Yaounde I, 1993. M.S., University of Yaounde I, 1998. Ph.D., Duisburg Essen University, 2005.

Nettelhorst, Stephen, 2024. *Assistant Professor,* Troy. B.A., University of California, 2006. M.A., California State University, 2009. Ph.D., Kansas State University, 2013.

Newman, Christine, 2019. *Assistant Professor,* Troy. B.S.B.A., Auburn University Montgomery, 2007. B.S.B.A., Auburn University Montgomery, 2010. M.B.A., Auburn University Montgomery, 2008. Ph.D., Auburn University, 2019.

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Newman, Nicholas, 2017. *Associate Professor,* Dothan. B.S., Troy State University, 2004. M.A.P., Auburn University, 2006. Ph.D., Auburn University, 2009.

Newman, Thomas, 2012. *Lecturer,* Troy. B.M.E., Troy State University, 2003. M.F.A., New York University, 2006.

Niu, Xutong, 2008. *Associate Professor,* Troy. B.Sc., Zhejiang University, 1996. M.E., Zhejiang University, 1999. M.S., Ohio State University, 2001. Ph.D., Ohio State University, 2004.

Nokes, Richard Scott, 2003. *Professor,* Troy. B.A., Butler University, 1992. Ph.D., Wayne State University, 2002.

Ogungbure, Akins T., 2007. *Associate Professor,* Global Campus. B.B.A., Texas Southern University, 1981. M.B.A., University of Houston, 1983. D.B.A., NOVA Southeastern University, 2010.

Orlofsky, Anna, 2022. *Lecturer,* Troy. B.A., Troy University, 2016. Master of Teaching of Writing, Auburn University Montgomery, 2021.

Orlofsky, Michael C., 1988. *Professor,* Troy. B.A., Jacksonville State University, 1975. M.F.A., University of Iowa,1985. M.A., Pennsylvania State University, 1990.

Ortego, James N., 2005. *Associate Professor,* Dothan. B.A., University of New Orleans, 1993. M.A., University of New Orleans, 1996. Ph.D., University of Louisiana at Lafayette, 2004.

O'Sullivan, Robin, 2010. *Lecturer,* Dothan. B.A., Dartmouth College, 1999. M.A., University of Southern Maine, 2004. Ph.D., University of Texas at Austin, 2010.

Otten, Brooke, 2021. *Assistant Professor,* Troy. B.S., University of North Texas, 2015. Ph.D., University of North Texas, 2019.

Paleologos, Timon Mark, 2005. *Associate Professor,* Phenix City. B.S., Auburn University, 1990. M.Ed., Auburn University, 1997. Ph.D., Auburn University, 2005.

Palmer, Dominique Angel, 2014. *Lecturer,* Troy. Choreographer/Dancer.

Paquette, Paige Fuller, 2002. *Professor,* Phenix City. B.A., The University of Alabama, 1994. M.A., The University of Alabama, 1995. Ph.D., Auburn University, 2009.

Park, Joong-Wook, 2011. *Associate Professor,* Troy. B.S., Yonsei University, 1997. M.S., Yonsei University, 1999. Ph.D., University of California, Riverside, 2004.

Parker, Matthew, 2021. *Lecturer,* Troy. B.S., Troy University, 2016. M.S., Troy University, 2021.

Parnell, Jeanie, 2019. *Lecturer,* Troy. B.S., Auburn University, 2000. M.L.A., Auburn University Montgomery, 2018.

Parrish, Hope, 2023. *Lecturer,* Montgomery. B.S.Ed., Troy State University, 1996. B.S.N., Troy University, 2005. M.S.N., University of North Alabama, 2021.

Parrish, Lesley, 2024. *Assistant Professor,* Troy. B.S., The University of Alabama, 1999., D.P.T., Belmont University, 2002.

Patino, Lee, 2016. *Lecturer,* Montgomery. B.S.B.A., The University of Alabama, 1992. B.S.N., Auburn University at Montgomery, 2012. M.S.N., Auburn University at Montgomery,2006.

Paul, Amanda N., 2007. *Assistant Professor,* Troy. B.S.B.A., Troy State University, 1999. M.B.A., Troy State University, 2000.

Paymon, Latonda, 2018. *Assistant Professor,* Montgomery. A.S.N., Troy State University, 1992. B.S.N., Troy State University, 2000. M.S.N., Troy State University, 2003. D.N.P., Troy University, 2017.

Phillips, Timothy Scott, 2006. *Professor,* Troy. B.M.E., University of Colorado at Boulder, 2001. M.M., University of Illinois at Urbana-Champaign, 2003. D.M.A., University of Illinois at Urbana-Champaign, 2006.

Picazo, Hannah 2025. *Lecturer,* Montgomery. A.S.N., Fortis College, 2019., B.S.N., Capella University, 2024., M.S.N., Western Governors University, 2024.

Pincumbe, Nicholas, 2016. *Lecturer,* Troy. B.A., Western Michigan University, 2004. M.F.A., The University of Alabama, 2009.

Piper, Alex 2024. *Lecturer,* Troy. B.S., Troy University, 2010., M.F.A., The University of Southern Mississippi, 2013.

Premuda Conti, Paola, 2013. *Associate Professor,* Global Campus. B.S., Universidad de la Republica, 1996. M.S., Southern Illinois University Carbondale, 2003. Ph.D., Southern Illinois University-Carbondale, 2009.

Price-Howard, Lisa "Kate", 2013. *Associate Professor,* Global Campus. B.S., Florida International University, 1992. M.S., Florida International University, 2000. Ph.D., The University of Utah, 2014.

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Puckett, Dan J., 2005. *Professor,* Troy. B.S., The University of West Alabama, 1991. M.A.T., The University West Alabama, 1993. Ph.D., Mississippi State University, 2005.

Purcell, Gabrielle, 2022. *Lecturer,* Troy. B.A., University of West Florida, 2008. M.A., University of Tennessee, Knoxville, 2013. Ph.D., The University of North Carolina at Chapel Hill, 2022.

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Ramroop, Steve, 2002. *Associate Professor,* Troy. B.S., University of the West Indies, 1992. M.S., International Institute for Aerospace Survey and Earth Sciences-the Netherlands, 1995. Ph.D., University of Otago-New Zealand, 2002.

Reed, Shelley, 2014. *Associate Professor,* Phenix City. B.S., Columbus State University, 2003. M.S., Troy University, 2007. Ph.D., Auburn University, 2012.

Reiner, Thomas, 2011. *Associate Professor,* Troy. B.A., California State University-Sacramento, 1993. M.A., California State University - Sacramento, 1997. Ph.D., University of Nevada-Reno, 2005.

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Reynolds, Joseph H., 2004. *Assistant Professor,* Montgomery. B.S., United States Air Force Academy, 1982. M.S., University Colorado at Colorado Springs, 1990. Ed.S., Troy State University, 1996. Ed.D., Auburn University, 1999.

Richards, Abbey, 2022. *Lecturer,* Dothan. B.S., Troy University, 2019. M.L.A., Auburn University Montgomery, 2021.

Robertson, Ben P., 2003. *Professor,* Troy. B.A., Henderson State University, 1995. M.A., University of Central Arkansas, 1998. Ph.D., The University of Tulsa, 2003.

Robertson, Judy, 2012. *Lecturer,* Troy. B.S., Troy State University, 2003. M.Ed., Northeastern University, 2010.

Roblee, Kenneth J., 2002. *Professor,* Troy. B.S., The University of Alabama, 1994. M.S., Auburn University, 1997. Ph.D., Auburn University, 2000.

Rogers, Beatrice, 2019. *Lecturer,* Troy. B.A., Alabama Agricultural & Mechanical University, 2003. M.F.A., Savannah College of Art & Design, 2012.

Ross, Karen D., 2008. *Associate Professor,* Troy. B.A.,The University of Texas at Austin, 1994. Ph.D., University of Minnesota, 2006.

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Rosser-Mims, Dionne M., 2007. *Vice Chancellor, Phenix City Campus; Professor,* Phenix City. B.S., Piedmont College, 1999. B.A., Piedmont College, 1999. M.P.A., The University of Georgia, 2001. Ph.D., The University of Georgia, 2005.

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Rutkowski, Adam, 2022. *Assistant Professor,* Troy. B.A., Augusta University, 2017. Ph.D., University of Georgia, 2022.

Sabriseilabi, Soheil, 2021. *Assistant Professor,* Troy. B.S., University of Tehran, 2012. M.A., Allameh Tabataba'i University, 2014. Ph.D., Texas Woman's University, 2021.

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Sandoz, Charles J., 2011. *Lecturer,* Dothan. B.S., Louisiana State University, 1975. M.A., Texas Woman's University, 1988. Ph.D., Temple University, 1995.

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Shaffer, Christopher, 2005. *Dean, Library; Professor,* Troy. B.A., Auburn University, 1991. M.E., Augusta State University, 1998. Ed.S., Albany State University, 2004. M.L.I.S., The University of Alabama, 2005. Ed.D., Alabama State University, 2014.

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Sherman, Steven, 2010. *Lecturer,* Global Campus. B.A., Emory University, 1979. M.B.A., San Jose University, 1991. Ph.D., Nova Southeastern University, 2009.

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Shumpert, Audra, 2013. *Lecturer,* Troy. B.S., Troy University, 2007. M.S., Troy University, 2010.

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Slay, Jana J., 2005. *Associate Professor,* Troy. B.A., The University of Southern Mississippi, 1999. M.A., The University of Southern Mississippi-Hattiesburg, 2000.

Slobodchikoff, Michael, 2013. *Professor,* Troy. B.S., Georgetown University, 1997. M.B.A., Thunderbird School of Global Management, 2000. M.A., The University of Arizona, 2009. Ph.D., The University of Arizona, 2012.

Slobodchikoff, Tatyana, 2016. *Lecturer,* Troy. B.A., Barnaul State Pedagogical University, 1996. M.A., Arizona State University, 2001. M.A., The University of Arizona, 2008. Ph.D., The University of Arizona, 2013.

Sluder, J. Brandon, 2008. *Professor,* Troy. B.S., University of South Carolina, 2001. M.S., Auburn University, 2003. Ph.D., Auburn University, 2008.

Small, Heather, 2017. *Associate Professor,* Troy. B.M.E., Oberlin College, Conservatory of Music, 1993. M.M., The University of North Texas, 2001. D.M., Florida State University, 2006.

Smith, Brittany, 2022. *Lecturer,* Troy. B.S., Troy University, 2008. M.S., Troy University, 2015.

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Sanders, Jimmy D., 1991. *Professor Emeritus of Public Administration*, Global Campus. B.A., University of Nebraska at Omaha, 1968. M.A., University of Southern California, 1988. D.P.A., University of Southern California, 1989.

Schwab, Charlene H., 1983. *Professor Emeritus of Nursing,* Phenix City. B.S.N., Indiana University, 1963. M.S.N., Indiana University, 1965. Ph.D., Texas A&M University, 1983.

Self, Dennis Ryan, 2001. *Professor Emeritus of Management,* Montgomery. B.A., Mississippi State University, 1969. B.S., Mississippi State University, 1974. M.P.P.M., Birmingham-Southern College, 1994 M.S., Auburn University, 2000. Ph.D., Auburn University, 2005.

Shelton, Samuel, 2002. *Associate Professor Emeritus of Public Administration,* Troy. B.A., Emory University, 1970. M.P.A., The American University, 1971. Ed.D., The University of Tennessee, Knoxville, 1978. Ph.D., North Carolina State University, 2002.

Simkins, Rebecca Y., 1985. *Assistant Professor Emeritus of Nursing,* Troy. B.S.N., Troy State University, 1980. M.S.N., The University of Alabama at Birmingham, 1982. M.S., Troy State University Dothan, 1989.

Smith, Anna M., 1976. *Professor Emeritus of Psychology,* Troy. B.A., Kansas State, 1972. M.S., Kansas State, 1974. Ph.D., Auburn University, 1981.

Smith, Earl J., 1983. *Associate Professor of History,* Troy. B.A., Haverford College, 1958. M.A.T., Vanderbilt University, 1968. M.A., Vanderbilt University, 1968. Ph.D., Vanderbilt University, 1974.

Smith, James W., 1988. *Associate Professor Emeritus of Music,* Troy. B.M.E., Troy State University, 1971. M.S.E., Jacksonville State University, 1973. M.S.E., Troy State University, 1987. Ed.S., Troy State University, 1993.

Smith, Raymond H., 1990. *Professor Emeritus of Music.* Troy. B.M.E., Troy State University, 1972. M.M., University of South Florida, 1984.

Smith, William H., 1974. *Professor Emeritus of Quantitative Methods and Computer and Information Science,* Troy. B.S., Black Hills State University, 1970. Ph.D., Kansas State University, 1974.

Spurlock, Jefferson T., 2001. *Professor Emeritus of Journalism,* Troy. B.A., Western Kentucky University, 1979. M.S., Middle Tennessee State University, 1997. Ph.D., The University of Southern Mississippi, 2005.

Stewart, G.T., 1965. *Professor Emeritus of Economics,* Troy. B.S., Samford University, 1960. M.B.A., The University of Alabama, 1961. Ph.D., The University of Alabama, 1966.

Stewart, Lester D., 1965. *Professor Emeritus of Education,* Dothan. B.S., Troy State University, 1958. M.Ed., Auburn University, 1958. Ed.D., The University of Alabama, 1969.

Stewart, Paul M., 2000. *Professor Emeritus, Eminent Scholar,* Troy. B.S., Ohio University, 1975. M.S., University of Cincinnati, 1983. Ph.D., Virginia Polytechnic Institute, 1985.

Stewart, Robert Earl, 1967. *Associate Professor Emeritus of Finance,* Troy. B.B.A., University of Mississippi, 1964. M.B.A., University of Mississippi, 1965.

Stokes, Suzanne, 1991. *Associate Professor Emeritus of Nursing,* Troy. B.S., The University of Alabama, 1971. M.S., The University of Alabama, 1972. M.S., Troy State University, 1997.

Ph.D., The University of Alabama, 2001.

Swords, I.R., 1976. *Associate Professor Emeritus of Psychology*, Dothan. B.S., Jacksonville State University, 1950. M.A., The University of Alabama, 1955. M.A., The University of Alabama, 1962. Ph.D., The University of Alabama, 1966.

Taylor, Steven, L., 1988. *Dean, College of Arts and Sciences/Professor Emeritus of Political Science,* Troy. B.A., University of California, Irvine, 1990. Ph.D., University of Texas at Austin, 1996.

Talmadge, Phyllis, 1985. *Assistant Professor Emeritus of English,* Troy. B.A., Judson College, 1958. M.A., Samford University, 1968.

Tighe, Mary A., 1984. *Professor Emeritus of English,* Troy. B.A., University of Pittsburgh, 1960. M.Ed., University of Pittsburgh, 1965. Ph.D., University of Pittsburg, 1979.

Tucker, John P., 1988. *Associate Professor Emeritus of Education,* Phenix City. B.S., Troy State University, 1961. M.Ed., Auburn University, 1963. Ed.D., Auburn University, 1972.

Vardaman, Shellye Arlene, 2001. *Professor Emeritus of Nursing,* Troy. B.S.N., The University of Alabama, 1996. M.S.N., Troy State University, 2002. Ph.D., University of Texas at Tyler, 2011.

Vickery, James F., 1991. *Professor Emeritus of Communications,* Montgomery. B.A., Auburn University, 1964. M.A., Auburn University, 1965. Ph.D., Florida State University, 1972. J.D., Faulkner University, 1990.

Vollrath, Carl Paul, 1965. *Associate Professor Emeritus of Music,* Troy. B.M., John B. Stetson University, 1953. M.A., Columbia University, 1956. Ed.D., Florida State University, 1964.

Voloshin, Vitaly, 2003. *Professor Emeritus of Mathematics*, Troy. M.S., Kishinev State University, 1976. Ph.D., Kiev Cybernetics Institute of Ukrainian Academy of Sciences, 1983.

Wadowick, James, 1975. *Associate Professor Emeritus of Music,* Troy. B.S., Case Western Reserve University, 1957. M.A., Case Western Reserve University, 1967.

Walker, Frank, 1983. *Assistant Professor Emeritus of Library Sciences,* Dothan. B.S., The University of Alabama, 1967. M.L.S., The University of Alabama, 1976.

Walton, LeRoy, 1974. *Professor Emeritus of Computer and Information Systems,* Troy. B.A., Mississippi State University, 1965. M.S., Mississippi State University, 1971.

Welch, William M., 1979. *Professor Emeritus of History*, Troy. A.B., The University of Alabama, 1973. M.A., The University of Alabama, 1975. Diploma, Institute of Mediterranean Studies, 1974. Ph.D., Ox-ford University, 1978.

Woods, Michael, 1989. *Professor Emeritus of Biology,* Troy. B.S., Cumberland College, 1980. M.S., Murray State University, 1983. Ph.D., Southern Illinois University at Carbondale, 1988.

APPENDICES

HARASSMENT AND DISCRIMINATION POLICY

Please consult the Oracle, the University's official Student Handbook, online at https://www.troy.edu/student-life-resources/student-resources/oracle.html, for the most current and complete policy related to harassment and discrimination.

RELIGIOUS HOLIDAY OBSERVANCE POLICY

Troy University respects the religious diversity of our academic community and recognizes the importance of religious holy days and observances in the lives of our community members. TROY strives to be an inclusive community in all aspects of academic and campus life. Faculty members are expected to make reasonable efforts to accommodate the sincerely held religious practices and observances of students.

Guidelines: Guidelines pertaining to the observance of religious holidays are as follows:

1. TROY encourages all faculty, staff, and students to be cognizant of major religious and cultural observances when planning major campus events in order to be sensitive to potential conflict.
2. Guidelines relating to academic work (below) should be loaded into the online syllabus template. All faculty members are encouraged to include on the syllabus and to announce at the beginning of the semester/term the following:
    - Students should notify faculty in writing or via email during the first two weeks of the semester/term of their intention to be absent from class for religious observance.
    - Faculty should provide students who give the required notice of and are absent for observance of a religious holiday reasonable opportunity to complete academic responsibilities in the original or alternative form without penalty, unless doing so would interfere unreasonably with the academic integrity of the course.
    - If the student and the faculty member cannot agree on a requested accommodation for completion of the academic responsibilities, the student may appeal to the department chair.
    - Upon approval of an accommodation, the student is responsible for completing the academic work by the deadline established in the accommodation.

STUDENT RECORDS POLICY

The Family Educational Rights and Privacy Act (Buckley Amendment, 20 U.S.C. 1230, 1232g). Effective Date, April 8, 1976

Troy University compiles and maintains information about students which facilitates educational development of the student and effective administration of the university. To better guarantee the rights and privacy and access as provided by the Family Educational Rights and Privacy Act of 1974, (Buckley Amendment, 20 U.S.C. 1230, 1232g) Troy University has adopted the following policies and procedures:

1. GENERAL POLICY.

Troy University shall not permit access to or the release of education records of personally identifiable information contained therein, other than directory information as defined in paragraph 4 herein, without the written consent of the student, to any party other than the following:

A. Other school officials and teachers of this university who have been determined by the university to have legitimate educational interests. A school official is:

- A person employed by the university in an administrative, supervisory, academic or research, or support staff position.
- A person elected to the Board of Trustees.
- A person employed by or under contract to the university to perform a special task, such as the attorney or auditor.

A school official has a legitimate educational interest if the official is:

- Performing a task that is specified in his or her position description or by a contract agreement.
- Performing a task related to a student's education.
- Performing a task related to the discipline of a student.
- Providing a service or benefit relating to the student or student's family, such as health care, counseling, job placement or financial aid;

B. Officials of other schools or school systems in which the student seeks or intends to enroll, upon condition that the student may receive a copy of the record if desired, and have an opportunity for a hearing to challenge the content of the record;

C. Certain authorized representatives of federal departments or agencies or state educational authorities for purposes of audits, evaluative studies, etc. Data collected will be protected in a way which prevents personal identification except when specifically authorized by federal law. The data will be destroyed when no longer needed for such purposes;

D. In connection with a student's application for, or receipt of, financial aid;

- State and local officials or authorities to which such information is specifically required to be reported or disclosed pursuant to state statute adopted prior to Nov. 19, 1974;

E. Organizations conducting studies for, or on behalf of, educational agencies or institutions for the purpose of developing, validating, or administering predictive tests, administering student aid programs and improving instruction, if such studies are conducted in such a manner as will not permit the personal identification of students by persons other than representatives of such organizations and such information will be destroyed when no longer needed for the purpose for which it is conducted;

F. Accrediting organizations in order to carry out their accrediting functions;

G. Parents of a student who is a dependent for income tax purposes;

H. Pursuant to a lawful subpoena or court order;

I. Other appropriate persons in an emergency to protect the health or safety of the student or others. Students shall have access to all such information in accordance with the procedure outlined in this statement with the exceptions specified in paragraph "2" herein.

2. DEFINITION OF EDUCATIONAL RECORDS.

Student educational records are defined as those records, files, documents, and other materials which contain information directly related to a student and are maintained by the university or by a person acting for the university. Specifically excluded from the definition of "educational records" and not open to student inspection are the following materials:

A. Records of instructional, supervisory and administrative personnel which are in the sole possession of the maker and accessible only to the maker or a designated assistant to the maker;

B. Records of campus security, except in those instances where they have been transmitted within the university for administrative purposes;

C. Records which are created or maintained by a physician, psychiatrist, psychologist, or other recognized professional or para professional acting in a professional or para professional capacity, or assisting in that capacity, and which are created, maintained, or used only in connection with the provision of treatment to the student, and are not available to anyone other than persons providing such treatment or who could not be involved officially within the university, but such records are available to a physician or appropriate professional of the student's choice, if requested by the student.

3. DEFINITION OF STUDENT.

For the purpose of this policy, "student" means any person who has been enrolled in and is attending or has attended any course offering of Troy University. It does not include prospective students.

4. DIRECTORY INFORMATION.

The following categories of information with respect to each student have been designated by the university as directory information which may be made available to the public, absent a student's request that any such information should not be released without the student's prior consent:

A. Student's name and email address

B. Dates of attendance

C. Major and minor fields of study, degree desired, classification (freshman, sophomore, junior, senior) and full-time or part-time status

D. Participation in officially recognized activities

E. Degrees and awards received (i.e., Dean's List, Who's Who, etc.).

5. LOCATION OF RECORDS.

The university has designated the following officials or their equivalents at the branches as responsible for student records within their respective areas of responsibility:

A. Senior Vice Chancellor, Academic Affairs

B. Senior Vice Chancellor, Student Services and Administration

C. Senior Vice Chancellor, Finance and Business Affairs

D. University Registrar

E. Deans of various schools within the university

These officials shall hereinafter be referred to as "records officials." Each official is responsible for maintaining a listing of student records within such records official's area of responsibility, which listing shall indicate the location and general content of the records. Any student request concerning his or her records or files, including requests that information not be disclosed to the public, requests for disclosure to third parties, and requests for access by the student shall be directed to the appropriate records official. Forms for all such requests may be obtained from these officials. The appropriate records official will also attempt to resolve any challenges to the records at an informal hearing with the student and, if an agreeable solution is not reached, the records official will refer the student and his or her challenge to the University Hearing Officer, who shall set a hearing within 10 days thereafter for final decision.

6. ACCESS OF STUDENT RECORDS TO STUDENT.

The student is accorded the right to inspect and review, in the presence of a university staff member, any records, files and data directly related to the student. To inspect his or her personal folder or file, a student shall submit a written request to the appropriate records official, which request shall be signed by the student and, if not personally submitted by the student, then the student's signature shall be acknowledged by the affidavit of a Notary Public. The request for inspection shall be acted upon within 45 days from the date such request is received. If, in the opinion of the appropriate records official, inspection can reasonably be accomplished by providing copies of documents, such copies shall be made and provided to the student.

7. LIMITATIONS ON ACCESS.

The right of inspection of personal information described in paragraph "6" above does not include:

A. Financial records of the parents of the student or any information contained therein;

B. Confidential letters and statements of recommendation, which were placed in the education records prior to January 1, 1975, if such letters or statements are not used for purposes other than those for which they were specifically intended;

C. Other confidential records, access to which has been waived by the student in accordance with policy concerning waivers.

8. CHALLENGING THE CONTENTS OF THE RECORD.

If, after inspecting the record, a student wishes an explanation or to challenge any part of the contents of such record, then the student shall submit a written request for a hearing in the same manner and under the same procedures as provided by paragraph "5."

The request for hearing should identify the item or items in the file to be challenged and state the grounds for the challenge, e.g., inaccuracy, misleading nature, inappropriateness, etc. The records official shall examine the contested item, shall hear the person responsible for placing the item in the file if appropriate and possible, and shall examine any documents or hear any testimony the student wishes to present. The records official may decide that the contested item should be retained, that it should be deleted or revised or referred to the Hearing Officer who shall set a hearing within 10 days thereafter for final decision. In the event any part of the challenged item is retained, the student shall be allowed to place a written examination thereof in the file. A written decision shall be delivered or mailed to the student within 10 days from the date such hearing is concluded, either by the records official or the Hearing Officer.

9. WAIVER OF ACCESS.

A student or a person applying for admission may waive their right of access to confidential statements concerning application for admission, financial aid, employment, honorary recognition, or any other benefit made available by Troy University.

The student may sign and return the waiver or may request a list of the names of persons who will be asked for recommendations as to such application prior to signing and returning such waiver or the student may decline to waive the right of access. No such application shall be conditioned upon or prejudiced by the student's failure or refusal to sign such waiver.

10. PROVIDING RECORDS TO THIRD PARTIES -- CONTENT OF CONSENT.

The policy of Troy University is to refuse access to student records to third parties without the written consent of the student except as provided in paragraphs 1 and 4. Any records pertaining to a student, which are not excluded by the provisions of paragraph 2, shall be released upon receipt of that student's written request, directed to the proper records official, specifying the records to be released, the reason for such release, the person to whom the records are to be released, and whether a copy thereof is also to be furnished the student.

11. PARENTAL NOTIFICATION LETTER

In accordance with (FERPA) Family Educational Rights and Privacy Act, the university must have parental and student consent to allow the university to release student information to the parents and/or legal guardians. This information includes grades, billing information, schedules and judicial files.

12. TRANSFER OF INFORMATION BY THIRD PARTIES.

Any information released under paragraph "10" shall be expressly conditioned upon the understanding that the party to which the information is being transferred will not permit any other party to have access to such information without the consent of the student. Such conditional understanding shall be in writing, and included in or attached to each release of information.

13. RECORD ACCESS.

Troy University shall maintain a record, kept with the education records of each student which will indicate all parties (other than those specified in paragraph "1a") which have requested or obtained access to a student's education records. This record will indicate specifically the legitimate interest that each such party has in obtaining this information. Such record of access shall be available only to the student, to the school official, and his or her assistants who are responsible for the custody of such records, and to persons or organizations authorized in, and under the conditions of paragraph 1a and 1c, as a means of auditing the operation of the system.

14. DESTRUCTION OF RECORDS.

Troy University retains the right, if not otherwise precluded by law, to destroy records as a matter of policy. However, upon written request, a student shall be granted access to and copies of his or her records, which are not excluded by the provisions of paragraph "2," prior to the destruction of such records. Without such a request on file prior to destruction, no copy of records to be destroyed need be furnished the student.

15. COST OF COPIES.

Any copies of records furnished at the request of a student shall be subject to the payment of a reasonable fee, to be established by the university from time to time, for such service.

2025-2026 COST OF ATTENDANCE AND FEES

2025-2026 ESTIMATED COST OF ATTENDANCE

The term Cost of Attendance (COA) is an estimate of a student's educational expenses to maintain a moderate standard of living for the period of enrollment and is not necessarily the amount paid directly to Troy University. The Cost of Attendance is used when calculating a student's eligibility for financial aid only.

UNDERGRADUATE (FALL/SPRING SEMESTERS)*			
	On-Campus	**Off-Campus**	**Living with Parent**
Tuition	$10,176	$10,176	$10,176
Books & Supplies	$1,000	$1,000	$1,000
Housing & Food	$10,068	$10,860	$5,430
Fees	$528	$528	$528
Transportation	$1,000	$2,100	$2,100
Miscellaneous	$3,516	$3,516	$3,516
Total	**$26,288**	**$28,180**	**$22,750**

**Based on 12 credit hours per semester*

UNDERGRADUATE (TERMS 1-4)*		
	Off-Campus	**Living with Parent**
Tuition	$10,176	$10,176
Books & Supplies	$1,000	$1,000
Miscellaneous	$16,476	$11,046
Total	**$27,652**	**$22,222**

**Based on 6 credit hours per term*

UNDERGRADUATE (Dothan, Montgomery, PC Campus) (TERMS 1-4)*		
	Off-Campus	**Living with Parent**
Tuition	$10,176	$10,176
Books & Supplies	$1,000	$1,000
Fees	$528	$528
Miscellaneous	$16,476	$11,046
Total	**$28,180**	**$22,750**

**Based on 6 credit hours per term*

GRADUATE (FALL/SPRING SEMESTERS)*		
	On-Campus	**Off-Campus**
Tuition	$8,550	$8,550
Books & Supplies	$1,000	$1,000
Housing & Food	$10,068	$10,860
Fees	$396	$396
Transportation	$1,000	$1,000

iscellaneous	$5,300	$5,300
Total	**$26,314**	**$28,206**

**Based on 9 credit hours per semester*

GRADUATE (TERMS 1-4)*		
	On-Campus	**Off-Campus**
Tuition	$11,400	$11,400
Books & Supplies	$1,000	$1,000
Miscellaneous	$15,800	$18,014
Total	**$28,200**	**$30,414**

**Based on 6 credit hours per term*

GRADUATE Dothan, Montgomery, PC Campus (TERMS 1-4)*		
	On-Campus	**Off-Campus**
Tuition	$11,400	$11,400
Books & Supplies	$1,000	$1,000
Fees	$396	$396
Miscellaneous	$15,800	$18,014
Total	**$28,596**	**$30,810**

**Based on 6 credit hours per term*

DOCTORAL		
	Semesters	**Terms 1-4**
Tuition	$9,900	$13,200
Books & Supplies	$1,000	$1,000
Fees	$396	0
Miscellaneous	$18,014	$18,014
Total	**$29,310**	**$32,214**

**Based on 9 credit hours per semester or 6 credit hours per term*

2025-2026 TROY UNIVERSITY TUITION RATES		
Undergraduate Tuition	**In-State $424 per credit hour**	**Out-of-State $848 per credit hour**
Graduate Tuition	**In-State $475 per credit hour**	**Out-of-State $975 per credit hour**
Doctoral Tuition	**In-State $550 per credit hour**	**Out-of-State $1,100 per credit hour**

TROY UNIVERSITY OTHER FEES	
FEE	**COST**
Testing Fee	$30 - $200 varies by program
Housing Application Fee	$100, non-refundable
Meal Plan	$1,940-$2,010 plus tax
Dining Dollar Fee	$275 plus tax, per semester
Commuter Plus Plan	$690 plus tax, per semester
Montgomery Café Dollars	$25 per term
Payment Plan Fee Charged when 100% tuition and fees paid by first payment due date (semester class only)	$25
Late Payment Fee	$50
Course Audit Fee	50% of tuition
Drop Fee	$30 per course, non-refundable
Withdrawal Fees	$50, non-refundable
Undergraduate Admission Application Fee	$30, non-refundable
Graduate Admission Application Fee	$50, non-refundable
Transcript Fee	$10
Enrollment/Degree Verification	$8
Graduation Application Fee	$60, non-refundable
Student Parking Decal	$100, non-refundable
Student Parking Decal with TROY License	$25, non-refundable
Parking Decal with Named Spot (Troy Campus Only)	$150, non-refundable
Parking Decal Faculty/Staff zoned	$100, non-refundable
Parking Decal Faculty/Staff zoned w/TROY License	No Fee
Parking Decal - Second or Additional	$15, non-refundable
Returned Check Fee	$30
Student ID Replacement Fee	$15
ACT Residual Testing Fee	$70, non-refundable
DANTES Testing Fee	$100, non-refundable

ACADEMIC OPERATING CALENDAR 2025-2026

Revised 2/17/2025	25/FA 11-Aug- 14-Dec	25/T1 11- Aug- 12-Oct	25/T2 13-Oct- 14-Dec	26/SP 12-Jan- 24-May	26/T3 12-Jan- 15-Mar	26/T4 23-Mar- 24-May	26/SU 26- May- 26-Jul	26/T5 26- May- 26-Jul
Last day for student to submit Graduation Application	13-Jun	13-Jun	15-Aug	7-Nov	7-Nov	16-Jan	3-Apr	3-Apr
Registration opens	16-Apr	16-Apr	22-Sep	5-Nov	5-Nov	2-Mar	8-Apr	8-Apr
Term begins	11-Aug	11-Aug	13-Oct	12-Jan	12-Jan	23-Mar	26-May	26-May
Course begins	13-Aug	11-Aug	13-Oct	14-Jan	12-Jan	23-Mar	26-May	26-May
Last day to add a course & for Free Adjustment w/100% refund	18-Aug	18-Aug	20-Oct	20-Jan	20-Jan	30-Mar	2-Jun	2-Jun
Census date	19-Aug	19-Aug	21-Oct	21-Jan	21-Jan	31-Mar	3-Jun	3-Jun
Last day for Schedule Adjustment w/50% refund*		25-Aug	27-Oct		26-Jan	6-Apr		9-Jun
Payment due in full	8-Oct	5-Sep	7-Nov	11-Mar	6-Feb	17-Apr	8-Jul	19-Jun
Last day to drop/withdraw	20-Oct	19-Sep	21-Nov	23-Mar	20-Feb	1-May	6-Jul	6-Jul
Last day to change grade of "I" from previous term	21-Sep	28-Sep	14-Dec	8-Feb	115-Feb	17-May	26-Jul	26-Jul
Last day of classes	10-Dec	12-Oct	14-Dec	13-May	15-Mar	24-May	22-Jul	26-Jul
Grades due	11-Dec	14-Oct	15-Dec	14-May	17-Mar	27-May	24-Jul	28-Jul
Grades must be entered into AI and NCMIS portals	21-Dec	24-Oct	25-Dec	24-May	27-Mar	6-Jun	3-Aug	7-Aug

Commencement Dates		
Troy	Fall Semester	12-Dec
	Spring Semester	15-May
	Summer Semester & T5	24-Jul
Dothan	T1 & T2	14-Dec
	T3 & T4	TBA
Montgomery	T1 & T2	15-Dec
	T3 & T4	21-May
Phenix City	T5, T1, T2, T3, T4	5-Jun

Holidays and Administrative Leave	
1-Sep	Labor Day
11-Nov	Veteran's Day (Observed)
26-Nov-28-Nov	Thanksgiving Break
19-Dec-2-Jan	Holiday Break
19-Jan	Martin Luther King Jr., Day
16-Mar	Spring Break/Admin Leave
25-May	Memorial Day
19-Jun	Juneteenth Holiday
3-Jul	Independence Day Holiday

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