



# UNDERGRADUATE CATALOG

2019-2020

## **Policy Statement**

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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.

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2019-2020  
Troy University  
Undergraduate Catalog

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Troy University  
Troy, Alabama 36082  
(334) 670-3000  
[my.troy.edu](http://my.troy.edu)

Please consult the Troy University website for changes that may have occurred.

# TROY UNIVERSITY

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## ACCREDITATION, MEMBERSHIPS AND AFFILIATIONS

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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. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Troy University.

### **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 on Social Work Education
- National Association of Schools of Music
- National Council for the Accreditation of Teacher Education
- Network of International Business Schools

### **Troy University is a member of the following:**

- Alabama Association of Colleges for Teacher Education
- Alabama Association of Higher Education in Business
- Alabama Association of College Administrators
- Alabama Board of Nursing
- 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
- American Council on Education
- American Kinesiology Association
- Association to Advance Collegiate Schools of Business
- Council for Adult and Experiential Learning
- Council on Hotel, Restaurant, and Institutional Education.
- International Association of Schools of Social Work
- National League for Nursing
- National Organization of Nurse Practitioner Faculties
- National Strength and Conditioning Association - Education Recognition Program
- Southern Business Administration Association
- Southern Council on Collegiate Education for Nursing
- 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

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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 life-long success through effective teaching, service, creative partnerships, scholarship and research.

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## WELCOME TO TROY UNIVERSITY

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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 Teacher's 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 students in Alabama, throughout the United States and around the world.

The Troy University calendar may be found at [www.troy.edu/calendar](http://www.troy.edu/calendar).

# 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, non-governmental 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.

Beginning in the fall of 2005, all Trojan sports began competition in the Sun Belt Conference which includes 12 schools from Alabama, Arkansas, Colorado, Florida, Kentucky, Louisiana, Tennessee and Texas. In the fall of 2001, the football program successfully completed its first year in Division I-A as an independent with a 7-4 record and the Trojans shocked SEC powerhouse Mississippi State as the Trojans defeated the Bulldogs 21-9. Since then, the Trojans have defeated nationally ranked Missouri, Oklahoma State, the United States Naval Academy, nationally ranked LSU and Nebraska.

In 2006, the Trojans earned their first of five consecutive Sun Belt Conference championships 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.

Similarly, the 15 other Trojan sports have enjoyed great success since reclassification to NCAA Division I in the fall of 1993. The Trojan golf team received a 10th-in-the-nation ranking in 1994 and advanced to the NCAA Regional Tournament in '95. 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. In the 2017 baseball season, the Trojans defeated Alabama in walk-off fashion and nationally ranked Auburn. 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 '96, the first softball team from the state of Alabama ever to do so. In 2018, Troy defeated a trio of nationally-ranked teams and posted its greatest win total in almost a decade.

Further, the men's basketball team dominated the Atlantic Sun Conference by capturing the regular season Conference Championships in 1999-2000, 2001-02, 2002-03, 2003-04 and back on top in the Sun Belt Conference in 2009-2010. "March Madness" invaded Troy in 2003 and 2017 when the Trojans won the Conference Tournament 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.

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. The women's basketball program led the nation in 2018 in both rebounding and offensive rebounds. The Trojans have won 20 or more games in three of the last four seasons, with 18 wins in the other year.

The women's golf and men's tennis won the 2016 Sun Belt Conference Tournament and participated in the NCAA Tournament. Men's golf received an at-large bid to participate in the NCAA tournament as well. In 2017 women's golf repeated in winning the Sun Belt Conference Tournament and both men's and women's golf participated in the NCAA Tournament.

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. The football team won Division II championships in 1984 and 1987, and the baseball team won the 1986 and 1987 Division II World Series.

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 learning Center) and the Ben F. Beard Recruiting Lounge as well as locker rooms and several meeting rooms.

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. Recent stadium renovations included the addition of an artificial turf playing surface, a 30-foot wall in right field and a new scoreboard that includes video replay capabilities.

Other nearby facilities includes the new Golf practice facility and clubhouse (2015), Trojan 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. The men's basketball program initiated the first win in Trojan Arena on its inaugural night 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 class-room. 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 on-line 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. OSP is responsible for assuring that agency guidelines and University policies are followed. Sponsored Programs assists in identifying sources of external funding and assists faculty, professional staff and students in all aspects of securing grants, contracts, cooperative agreements, and other types of awards. OSP maintains funding source databases and can provide sponsor guidelines and application forms. OSP can provide advice on funding possibilities, conceptualization of projects, budget preparation, completing applications, proposal editing and review, as well as other aspects of

the proposal development. In addition, OSP, in consultation with the principal investigator, can assist in negotiating the terms of funded awards.

In summary, Sponsored Programs serves as a facilitator to aid the principal investigator from project inception to closing of a funded grant or contract. OSP strives to serve as a communication link between the University community and outside sponsors - federal, state, and private sector foundations and corporations. The goals of OSP are to help faculty, professional staff and students secure funding, to limit the burden of regulations to a minimum, and to ensure programmatic and fiscal accountability for all sponsored programs.

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

## **TROY Online**

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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://my.troy.edu/online>.

## **State Authorizations**

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

## **Troy University Foundation**

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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 / fax (334) 670-5855 / email [bwatson@troy.edu](mailto:bwatson@troy.edu).

## **University Relations**

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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 Truth and integrity to guide my goals.  
 I persevere by Remembering my predecessors.  
 I acknowledge that Openness promotes new concepts and ideas.  
 I celebrate our differences Justly and respectfully.  
 I strive for continued success by Aiming for excellence.  
 I will contribute to the Troy University legacy, Now and forever.

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## STANDARDS OF CONDUCT

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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 do 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 writ-

ten 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 hatred 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 specif

ically 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.

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#### COMPLAINT POLICY

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Please consult the Troy Student Complaint Policy located at: <http://trojan.troy.edu/students/documents/TROY-Student-Complaint-Policy-and-Form.pdf> and submit a completed form to the Associate Provost and Dean of Undergraduate and First Year Studies office at 117 Eldridge Hall, Troy University, Troy, AL, 36082.

Any complaint against the school should be routed through the VA GI Bill Feedback System by going to the following link: <http://www.benefits.va.gov/GIBILL/Feedback.asp>. The VA will then follow up through the appropriate channels to investigate the

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#### DISABILITY SERVICES: POLICIES AND PROCEDURES

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

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#### TOBACCO POLICY

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##### 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.

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**COMMITMENT TO FREE EXPRESSION**

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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.

## 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 life-long 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 applicants who have attempted less than 24 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 'new SAT' 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-1 or 1030 new SAT) 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 at least 25 years of age are not required to submit ACT/SAT scores unless the high school GPA is below a 2.00.

\*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 new SAT.
- 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 new SAT (but at least 910), the cumulative high school GPA must be at least 2.50 (on a 4.00 scale).
- If the applicant, under 25 years of age, 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 new SAT (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, 12 to 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 new SAT 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 new SAT and a 3.00 GPA. Additionally, applicants must submit a letter from a school official authorizing their enrollment under this status.

##### **-Active Duty Military**

##### **- 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 24 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 another institution 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. Active Duty Military - 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:
    - Test of English as a Foreign Language (TOEFL) score.  
The minimum acceptable score is 500 for the paper test, 173 for the computer-based test, and 61 for the Internet-based test.
    - Or*
    - IELTS minimum score of 5.5.
    - Or*
    - SAT minimum score of 1050, with no less than 480 on the Reading and Writing score.
    - Or*
    - ACT English score of a minimum of 20
    - Or*
    - iTEP minimum score of 3.5.
    - Or*
    - Pearson Test of English minimum score of 46.
    - Or*
    - Duolingo minimum score of 48.
  4. A current passport.
  5. Proof of financial support sufficient for 2 semester 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:

1. An official transcript, including all work completed at other U.S. universities. Minimum GPA 2.00 (4.00 scale).
2. A record of a grade of "C" or better in the equivalent of English Composition I at a United States university.

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 (<http://naces.org/members.htm/>) 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 cut-off scores on this test. Contact the Center for International Programs at [esl@troy.edu](mailto: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.

International students who are non-native speakers of English must take an ESL writing placement examination, administered by ESL in order to place in an English composition course, ESL 1100 or ESL 1101.

NOTE: Students may take the ESL placement test only once registered for an ESL and/or academic classes at Troy University. Students who are placed into the ESL program must complete all levels before matriculation to an academic program only once while registered for any ESL and/or academic classes at Troy University.

### 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), or the ACT Compass ESL examination. 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

#### Student from another institution wishing to enroll at Troy University as a transient student (Transient students are not eligible for financial aid.)

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.

### Readmission to Troy University

#### Former Troy University students in academic good standing

- *One to three year absence: readmission form required*  
Students who have not been enrolled for one to three years, and have not been enrolled in any other institution, must apply for readmission through the admissions office of the campus they wish to attend.
- *More than three year absence OR enrolled in another institution since last enrolled at TROY: new application required*  
Students who have not been enrolled for more than three

years must complete a new application and will be subject to new catalog and program requirements. The student may not be granted a new one term temporary status but must clear all admission requirements prior to registration.

Students suspended from Troy University must apply for readmission and may be readmitted under probation after serving suspension. Under certain mitigating circumstances, students may appeal their suspensions through the appropriate campus designee.

#### **Readmission for conditionally admitted students dropped from program**

Students dropped from program are not allowed to re-enroll at the University for at least 12 months. Students interested in re-enrolling should contact the Admissions Office at the Troy University campus that granted conditional admission.

#### **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. 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 G.I. Bill – Active Duty Program) or chapter 33 (Post-9/11 G.I. Bill), 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 GI Bill 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 G.I. Bill 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.

- 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, 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.

### 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 concentration.

### 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 an Intent to Graduate through Student Self-Service in Trojan Web Express 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 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, 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). *Note: 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).
3. A candidate for graduation must have an overall average C (2.0 GPA) in each major field.

### 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.

- File an Intent to Graduate form through Student Self-Service in Trojan Web Express in accordance with the published deadlines.
- Meet all current requirements for the second or subsequent degree.
- 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.

### ***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 associate 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. 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.

### **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**

<i>Hours Earned</i>	<i>Classification</i>
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**

- 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
- 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
- a minimum of 2,250 minutes per three semester hour course of instruction, which does not include final exam time; or
- 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, intern-

ships, 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 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 his 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 18 hours. Enrollment in more than 18 hours requires a student to meet the University policy for an overload.

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 21.*

## 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 ([www.my.troy.edu/records](http://www.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.

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

## Grading System

Note: Some grades, in addition to the "F", calculate as an "F" in the grade point average.

## 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 sitewill 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**

To be readmitted to Troy University, students who have been out of attendance with the University for one year or more must apply through the Admission's Office. The following categories are available:

1. **Former Students in Good Standing:** Troy University students who have been out of college for one year or more must apply for readmission before they will be permitted to register. Any student attending the Troy Campus who has not filed a Student Medical Record with the University Health Center within the last six months must submit a new Student Medical Record.
2. **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.
3. **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 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, any and all future registrations 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 on Trojan Web Express.

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.

#### **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 in the Registrar's Office. 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 *Experiential 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.

### 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.

### Requirements for 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 three consecutive calendar years must meet all degree requirements of the current Catalog at the time of readmission.

#### Filing for Graduation

An Intent to Graduate form must be filed according to the published dates.

#### Degree Plans / Academic Evaluations

Academic evaluations are available in the Record's Office. Unofficial academic evaluations are available to students on Student Planning.

### 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.

### Servicemembers' Opportunity College Program

As an affiliate member of the Servicemembers Opportunity College (SOC) network, Troy University is part of a group of member institutions selected by the military services to deliver specific associate and bachelor's degree programs to service members and their families. As such, TROY University has agreed to special requirements and obligations that provide military students and their adult family members with opportunities to complete college degrees without suffering loss of academic credit due to changes of duty station.

### 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 ([www.my.troy.edu/records](http://www.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.my.troy.edu/records](http://www.my.troy.edu/records)). 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://www.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.

**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 303	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
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 Law Enforcement	SG/SH/SL/SM 497	3	CJ 2221	45 / 400

## DSST (DANTES SUBJECT STANDARDIZED TEST) SCORES

TEST TITLE	TEST FORM NUMBER	CREDIT HOURS	COURSE	ACE RECOMMENDED/ TROY REQUIRED SCORE
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	3	ELECTIVE	46 / 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 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
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		

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## CLEP EXAMINATIONS

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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) EXAMINATIONS

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 <b>AND</b> 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	General Studies Area II Humanities	6	General Studies Area II Humanities Honors	6
Japanese	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

### Required Score

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

## ADVANCED PLACEMENT (AP) EXAMINATIONS

AP Exam Title	<u>(Minimum Score Req. = 3)</u>		(Advanced Score Req. = 4 or higher)	
	TROY Course(s)	Credit	TROY Course(s) (AP Transfer ONLY) (Applicable as Honors Credit)	Credit
Physics C : Electricity and Magnetism	PHY 2263 and PHY L263	4	PHY 2262H and PHY L263H	4
Psychology	PSY 2200	3	PSY 2200H	3
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 Special 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	3	MTH 2210H	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) CREDIT

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 and Management	MGT 3300	4	3
Computer Science (Computing Studies)	IS 2241	4	3
Dance	DAN 2200	4	2
Economics	ECO 2251 <b>OR</b> ECO 2252	4	3
	ECO 2251 and ECO 2252	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
Greek	GRK 1111	4	3
	GRK 1111 and GRK 1112	5	6
History—American	HIS 1111 <b>OR</b> HIS 1113	4	3
	HIS 1111/HIS 1112 <b>OR</b> HIS 1113/HIS 1114	5	6
History—European	HIS 1101 <b>OR</b> HIS 1103	4	3
	HIS 1101/HIS 1102 <b>OR</b> HIS 1103/HIS 1104	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 <b>OR</b> ENG 1103	4	3
Language A: Literature	ENG 1101 / ENG 1102 <b>OR</b> ENG 1103 / ENG 1104 <i>NOTE: If both Language A: Language and Literature and Language A: Literature are passed, ENG 1101 / ENG 1103 will be awarded only once.</i>	4	6
Latin	LAT 1131	4	3
	LAT 1131 and LAT 1132	5	6
Mathematics	MTH 1112 and MTH 1114	4	6
	MTH 1125 and MTH 1126	5	8
Music	MUS 1131	4	3
Philosophy	PHI 2203	5	3
Physics	PHY 2252 and PHY L252	4	4
	PHY 2252/PHYL252 and PHY 2253/PHY L253	5	8
Psychology	PSY 2200	5	3
Social and Cultural Anthropology	ANT 2200	4	3
Spanish	SPN 1141	4	3
	SPN 1141 and SPN 1142	5	6
Theatre	THE 1130	4	3
Visual Arts	ART 1133 <b>OR</b> 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 <i>OR</i> Computing	IS 2241 / IS Elective	3 / 3	IS 2241	3
Art and Design <i>OR</i> Design and Technology	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
Design and Textiles	TROY Elective / TROY Elective	3 / 3	Troy Elective	3
Divinity / Hinduism / Islamic Studies	GS A2HUM <i>OR</i> GS A4SS	3 / 3	GS A2HUM <i>OR</i> GS A4SS	3
Economics	ECO 2251 / ECO 2252	3 / 3	ECO Elective	3
English Language	ENG 1101 / ENG 1102	3 / 3	ENG 1101	3
English Literature	ENG 2211 / ENG 2212	3 / 3	ENG 2211	3
Environmental Management	N/A	N/A	BIO 1120/L120	3/1
Food Studies	TROY Elective / TROY Elective	3 / 3	N/A	N/A
Foreign Languages - Other: Afrikaans / Arabic / Hindi / Marathi / Portuguese / Tamil / Telugu / Urdu	GS A2HUM	3 / 3	GS A2HUM	3
Foreign Languages - Other: Japanese	N/A	N/A	GS A2HUM	3



GCE A/AS Level Exam Title	A Level		AS Level	
	TROY Course(s)	Credit Hours	TROY Course(s)	Credit Hours
French	FRN 1101 / FRN 1102	3 / 3	FRN 1101	3
French Literature	N/A	N/A	GS A2LIT1	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
Global Perspectives	N/A	N/A	IDS 2200	3
American History	HIS 1112 / HIS Elective	3 / 3	HIS 1112	3
European History	HIS 1102 <b>OR</b> HIS 1123 and HIS Elective	3 / 3	HIS 1102 <b>OR</b> HIS 1123	3
History	GS A4HIS1 / GS A4HIS2	3 / 3	GS A4HIS1	3
Law	LAW Elective / LAW Elec- tive	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 / MTH 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
Physical Education	KHP 2251 / KHP 3360	3 / 3	KHP 2251	3
Physical Science	N/A	N/A	SCI 2233/L233	3/1
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 2203	3
Travel and Tourism	HSTM 3360 / HSTM Elec- tive	3 / 3	HSTM 3360	3
World Development	POL 2260 / GS A4SS	3 / 3	POL 2260	3

## TUITION AND EXPENSES

For a complete listing of current registration and related fees, visit the Finance and Business Affairs website at [www.troy.edu/fba](http://www.troy.edu/fba).

### 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 Trojan Web Express 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)

Troy University offers a tuition and fees payment plan which helps in budgeting college costs but requires financial planning by students and their families.

Students are required to pay all bills by published deadlines. One-half of all semester charges are due by the last day of regular registration for the current semester. Students with an account balance after the first payment due date will be assessed a \$25.00 payment plan fee. To meet the one-half requirement, students may apply the following:

- Awarded institutional scholarship
- Awarded financial aid
- Payment by cash, check, money order, or credit card

Students with an account balance after the first payment due date will be assessed a \$25.00 payment plan fee.

The remaining semester balance must be paid by the final payment due date. Failure to pay the entire balance of tuition and fees by the final payment date will result in a late fee of \$50.00. Failure to satisfy financial obligations to the University will result in restrictions placed on future class registrations, possibly having the account assigned to a collection agency with the student responsible for collection costs, and non-release of transcripts and diplomas. *The essential ingredient for a successful registration is for students to plan early.*

### 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 will 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.studentloans.gov](http://www.studentloans.gov) concerning their financial obligation as recipients of loan funds.

### Student Refunds

To receive any refunds from the University, a student must activate his or her refund preference with BankMobile.

First, check the mail for your Refund Selection Kit, arriving in a bright green envelope. This will be sent to the address that you have on file with the University. Once it arrives, simply follow these steps to make your refund preference selection:

1. Visit [Refundselection.com](http://Refundselection.com)
2. Enter your Personal Code (Found in your Refund Selection Kit)
3. Select how you would like to receive your money

Your options for receiving your refunds are:

- **Electronic Deposit to Another Account (ACH Transfer)**—Once funds are released by the University to BankMobile, it typically takes 1-2 business days for the receiving bank to credit the money to your account.
- **Electronic Deposit to a BankMobile Vibe Account** - If you open a BankMobile Vibe account (upon identity verification), money is deposited the same business day BankMobile receives funds from the University.

### 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

See the index for additional information regarding drop and withdrawal.

**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-

## 30 TUTION AND EXPENSES

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.

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.

### **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). *See the index for additional information regarding drop and withdrawal.*

### **In-State and Out-of-State Status**

In-state or out-of-state status concerns or questions should be directed to the office of Admissions/Enrollment Management.

### **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 Trojan Web Express at [my.troy.edu](http://my.troy.edu).

## FINANCIAL ASSISTANCE

Troy University is particularly proud of its financial aid programs. The 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 a college education; consequently, the university participates in a variety of financial aid programs. The programs are comprehensive in nature and range from scholarships to work study.

Approximately 70 percent of our students receive some form of financial assistance. Students are expected to be prepared with sufficient funds for maintenance, books and supplies for at least two weeks. Credit balance refunds are not issued until after the second week of classes.

### Philosophy

It has been recognized that the cost of attending institutions of post-secondary education is greater than many families can handle alone. It is the philosophy of the financial aid office that no one should be denied a post-secondary education due to a lack of funds. Although it is primarily the responsibility of the student and/or family to pay college costs, this is not always possible. In such cases, the student should apply for financial aid to supplement family resources.

Parents/students should compare their award letters to our published Cost of Attendance (COA) to determine if sufficient funds are available for 100% of tuition, fees, room, board, books and supplies.

### How to Apply

Go to FAFSA on the Web at [fafsa.ed.gov](https://fafsa.ed.gov) to apply for financial aid.

- Apply for a U.S. Department of Education FSA ID at <https://fsaid.ed.gov>
- Be sure you are applying for the correct year using school code 001047.
- Just fill in the blanks when prompted.
- Errors are reduced because your answers are checked as you enter them.
- Your application reaches the federal processor immediately.
- Download and complete all required forms on the financial aid website at [www.troy.edu/financialaid](http://www.troy.edu/financialaid)

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. March 1st is our priority date - the date by which we would prefer you to have applied. Funds are awarded for the nine month (fall/spring) academic 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 from the website).

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. The same is true

for most other funding except for the Pell Grant and Stafford Loans.

### 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.

### Additional Information

Students enrolling less than full time will have their financial aid awards reduced or cancelled 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. Applications and brochures may be obtained by visiting the financial aid website at [www.troy.edu](http://www.troy.edu) and linking to the federal website. Financial aid may be in the form of grants, loans, scholarships or employment.

### 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 an expected family contribution (EFC) number. The amount the applicant receives depends on the EFC, 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 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 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.studentloans.gov](http://www.studentloans.gov).

## **Veteran 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 our website for contact information.

Military Officer's Assoc. of America (MOAA) offers interest-free loans. A list of programs and contacts is available on our website.

### **Veterans Education Benefits**

The following is a summary of the educational assistance that the Department of Veterans Affairs offers to veterans, service members, and their dependents. More detailed information is available on our web site.

1. The Montgomery GI Bill (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 GI Bill (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 GI Bill – 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.

### **Veterans In-State Status**

A Veteran using educational assistance under either Chapter 30 (Montgomery G.I. Bill – Active Duty Program) or Chapter 33 (Post-9/11 G.I. Bill), 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 GI Bill 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 G.I. Bill 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 specialist at their location 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 web site.

### **Military Tuition Assistance**

See 3rd Party Billing below.

### **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. This program pays tuition, the general university fee, and registration fee at the PACT Benefit Rate, pending credit hours and fees available. 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: [www.treasury.state.al.us](http://www.treasury.state.al.us).

- **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 [www.florida529plans.com/Prepaid/Contract/mascov.html](http://www.florida529plans.com/Prepaid/Contract/mascov.html).

- **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

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## TROY UNIVERSITY FOUNDATION SCHOLARSHIPS & LOANS

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### TROY CAMPUS

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#### 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 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. "Heine" Aderholt Memorial Scholarship** will be awarded to Troy University students who are children or grandchildren of Special Forces military personnel within the Air Force Special Operations Command. Also eligible are descendants of Hmong Servicemen who served with U.S. military in Southeast Asia. If no one fits this criteria, it will be opened up to children or grandchildren of any special forces military. GPA 2.5 and enrolled full-time. Selection will be made by Troy University scholarship committee.

**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 Arts and 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 possess 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 31<sup>st</sup> 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 in Applied Computer Science** Eligible recipients may be from the region between Pensacola, FL to Panama City, FL. Counties included are: Bay, Escambia, Calhoun, Gulf, Holmes, Jackson, Okaloosa, Santa Rosa, Walton, and Washington. Eligible recipients must be pursuing a BAS in Applied Computer Science or a BAS in Resource and Technology management.

**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 & Insurance.

**Elton B. Stephens Sales & Sales Management & 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. It will assist students who have a parent who died in the line of duty while serving in a branch of the U.S. military. The recipient must be enrolled full-time, have and maintain a GPA of at least 2.5 and have financial need. Selection will be made by Troy University scholarship committee.

**Dr. John P. and Ruby A. Tucker Endowed Scholarship** 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 pre-dental 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.

## 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.

**CCFA Study Abroad Scholarship** will be awarded to students who are enrolled in the study abroad program. They must have a GPA of 2.8, be a resident of Alabama, and have a major or minor in Communication and Fine Arts. Recipients must be enroll in at least 3 credit hours of "TROY study abroad credit" or participate in a Troy University international performance tour. Recipients must also complete a study abroad project. Selection of recipients will be made through the CCFA Executive Committee and the CCFA Advisory Council.

**Stacey M. Cernadas Current Memorial Scholarship** The purpose of this scholarship is to provide funding to students who are enrolled full-time at Troy University, Troy campus in the School of Nursing for an academic year beginning in the fall of each year. 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. Recipient will be selected by a committee composed of representatives from the Troy University Foundation and a representative of the Stacey M. Cernadas Foundation. Recipient is required to write a letter of appreciation to the Scholarship donor and must attend the Scholarship Donor and Recipient Reception held each year.

**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 can not 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.

**Ty Harvey Current Scholarship** Awarded to full-time students attending the Troy campus. Recipients must be a junior or senior, majoring in an area of journalism, speech or communication 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.

**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 Standing 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.

**Marshall A. McLeod Geomatic Scholarship** will be awarded to female students majoring in Geomatics who have financial need. 3.0 GPA. Selection will be made by the Geomatics scholarship committee. Applicants will be expected to submit a scholarship application provided by Marshall A McLeod, PLS, LLC.

**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 & 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.

**Southeast Chapter of the Alabama Society of CPA's Scholarship** is awarded to outstanding students majoring in Accounting and who are attending Troy University at the Dothan Campus. The scholarship is awarded on the basis of a 3.5 GPA in accounting studies, accounting profession activities, University life, and volunteer work in recipients' communities. The scholarship was established in 2006 and is maintained by the Southeast Chapter of the Alabama Society of CPA's. Selection is made by the School of Accounting for the Dothan Campus.

**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.

**Hodges Warehouse & Logistics Graduate Current Scholarship** was established by Lance Hunter, CEO Hodges Warehouse & Logistics. Applicants must have a major or minor in the Sorrell College of Business, must submit a transcript, resume and one recommendation letter from a faculty member or other professional. Selection of recipients will be made by the Sorrell College of Business scholarship committee.

**Dr. Cozetta Dionne Shannon Memorial Scholarship** was established by Mr. & 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.

**Sluder Scholarship** was established by Dr. & Mrs. J. Brandon Sluder. Recipient must be a graduate student majoring in Kinesiology. Must have and maintain a GPA of 3.0. For further information, contact the Kinesiology department.

**Brian Scott Hammond Memorial Scholarship** was established by Claude L. & 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.

**Hide 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.

#### 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 post-graduate 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](http://troy.academicworks.com).

#### *Nature of the Awards*

TROY-Troy 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 SCHOLARSHIPS

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

- **THE MILLENNIUM SCHOLAR'S AWARD**  
Award varies \$11,000-\$15,000 annually.  
Requirements: 32 ACT/1420 SAT-1/1450 new SAT and 3.7 GPA/4.0 scale or National Merit Finalist/Semifinalist. Essay Required.  
Application Deadline is December 1
- **THE CHANCELLOR'S AWARD**  
Award varies \$7,000—\$10,000  
Requirements: 28 ACT/1260 SAT-1/1320 new SAT and 3.5 GPA/4.0 scale. Essay Required.  
Application Deadline is December 1
- **TRANSFER MERIT**  
\$2,500 per year—2 year renewable  
Requirements: Community College transfer student with minimum 45 hours of completed transferable academic work with minimum 3.5 GPA and required essay.

- **TRANSFER ACHIEVEMENT**  
\$2,000 per year—2 year renewable  
Requirements: Community College transfer student with minimum 45 hours of completed transferable academic work with minimum 3.25 GPA and required essay.
- **TROJAN OPPORTUNITY EXPANDED:**  
The Trojan Opportunity Expanded Scholarship IS for out-of-state high school students who are unconditionally admitted with a 22 ACT/ 1120 RSAT and 3.0 GPA. This scholarship is valued at the out-of-state portion of tuition.
- **MILITARY AND FAMILY SCHOLARSHIP**  
The Military and 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, included national Guard and Reserves. A sponsor verification form is required.

NOTE: 'New SAT' 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.

### THE LEADERSHIP SCHOLARSHIPS

Leadership scholarships are based upon achievement in leadership positions in high school or junior or community college. Selection is generally based on an overall evaluation of the student's accomplishments by the Committee; however, these guidelines are used:

- **EXCELLENCE IN LEADERSHIP AWARD**  
Award varies \$1,000—\$4,000 annually.  
Requirements: 23 ACT/1070 SAT-1/1130 new SAT and 3.0 GPA/4.0 scale. Upon enrollment, the recipient will be required to attend a Leadership Seminar each semester and must agree to serve three hours per week in a Leadership Intern position. Deadline is December 1.

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## TROY UNIVERSITY, PHENIX CITY CAMPUS SCHOLARSHIPS

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Troy University, Phenix City 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](http://troy.academicworks.com). For more information, contact the Office of Financial Aid, Troy University-Phenix City, One University Place, Phenix City, AL 36869. Telephone: 334-448-5137 or 5177.

### Endowed Scholarships

**Dr. Charlotte Billings Endowed Scholarship** in Education is to be awarded to full-time Troy University students attending the Phenix City Campus. Recipient must be majoring in Education and in their internship program during the funding of this scholarship. Selection is made by Troy University scholarship committee.

## Current Scholarships

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**Tom and Erma Parker Annual Scholarship** is awarded to students who have achieved at least a 3.0 GPA and are in the Graduate program within the School of Nursing. The recipient must be a self supporting resident of Lee or Russell county in Alabama or Muscogee or Harris county in Georgia. Preference given to those with financial need. Selection is made by Phenix City scholarship committee.

**Phenix City Campus Academic Merit Scholarship** The purpose of this scholarship is to provide funding to students pursuing an undergraduate degree at the Phenix City Campus of Troy University. The recipients must have completed twelve hours of undergraduate work as a student at the Phenix City Campus. Recipients must have and maintain a GPA of at least 3.0, and must be a self-supporting single parent with a demonstrated need for scholarship support in order to fund their education. The Scholarship committee of the Phenix City Campus of Troy University will serve as the selection committee.

**Phenix City Rotary Club Scholarship** will be awarded to students who have completed their studies at Chattahoochee Valley Community College, GPA 3.0. Preference given to students who have participated in the CVCC Elementary School Reading Project; have been a member of an Interact Club in high school; are pursuing an undergraduate degree in Education. Selection will be made by the Phenix City campus scholarship committee.

**Doris Weaver Girls Club Scholarship** is awarded to students who are members of the Doris Weaver Girl's Club with at least 3 years proven attendance in either the summer program or the after school program with a GPA of 2.5. Selection is made by the Doris Weaver Girls club scholarship committee.

**Horizon** Available to new first time Troy students, Undergraduate applicants must have a minimum 2.5 GPA and Graduate applicants must be unconditionally admitted to a graduate degree program in order to qualify to apply. The Horizon Scholarship for Undergraduate recipients is valued at tuition for one course in the first term of enrollment (if enrolled in at least two courses) and tuition for one course in the final term prior to graduation. The Horizon Scholarship for graduate recipients is valued at tuition for one course in the final term prior to graduation.

**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, included national Guard and Reserves. A sponsor verification form is required.

**Transfer Merit** \$2,500 per year—2 year renewable  
Requirements: Community College transfer student with minimum 45 hours of completed transferable academic work with minimum 3.5 GPA and required essay.

**Transfer Achievement** \$2,000 per year—2 year renewable  
Requirements: Community College transfer student with minimum 45 hours of completed transferable academic work with minimum 3.25 GPA and required essay.

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## TROY UNIVERSITY, DOTHAN CAMPUS SCHOLARSHIPS

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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](http://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 & Marion Connell Education Scholarship/ Undergraduate/Graduate** Broughton & Marion Connell Education Scholarship - This is an endowed acct with scholarships paid from a current acct (923-0040301). To be awarded to students seeking degrees in Business, Agriculture or Engineering on the Dothan campus. (NOTE: We receive a yearly check that is placed in a current account. The principle of these funds are held in a Dothan bank. We do hold the principle.)

## Current Scholarships

**Horizon** Available to new first time Troy students, Undergraduate applicants must have a minimum 2.5 GPA and Graduate applicants must be unconditionally admitted to a graduate degree program in order to qualify to apply. The Horizon Scholarship for Undergraduate recipients is valued at tuition for one course in the first term of enrollment (if enrolled in at least two courses) and tuition for one course in the final term prior to graduation. The Horizon Scholarship for graduate recipients is valued at tuition for one course in the final term prior to graduation.

**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.

**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, included national Guard and Reserves. A sponsor verification form is required.

**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.

**Transfer Merit** \$2,500 per year—2 year renewable  
Requirements: Community College transfer student with minimum 45 hours of completed transferable academic work with minimum 3.5 GPA and required essay.

**Transfer Achievement** \$2,000 per year—2 year renewable  
Requirements: Community College transfer student with minimum 45 hours of completed transferable academic work with minimum 3.25 GPA and required essay.

## TROY UNIVERSITY, FORT WALTON CAMPUS SCHOLARSHIPS

### Endowed Scholarships

**Greater Fort Walton Beach Chamber of Commerce Scholarship** Greater Fort Walton Beach Chamber of Commerce Scholarship will be awarded to students attending Troy University Fort Walton Beach campus. Preference will be given to graduates of Fort Walton Beach High School or Choctawhatchee High School. Recipient must be enrolled full-time and have a GPA of 2.0. Selection made by Troy University Scholarship Committee.

## 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](http://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.

### Scholarships

**Horizon** Available to new first time Troy students, Undergraduate applicants must have a minimum 2.5 GPA and Graduate applicants must be unconditionally admitted to a graduate degree program in order to qualify to apply. The Horizon Scholarship for Undergraduate recipients is valued at tuition for one course in the first term of enrollment (if enrolled in at least two courses) and tuition for one course in the final term prior to graduation. The Horizon Scholarship for graduate recipients is valued at tuition for one course in the final term prior to graduation.

**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, included national Guard and Reserves. A sponsor verification form is required.

### Stephen H. Morochnick Scholarship

Amount: 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).

Availability: 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.

Criteria: 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.

Deadline: July

### Car Tag Scholarship (Undergraduate)

Amount: \$1,000.00 (awarded for one year only and will be awarded in the fall semester (T-1 and T-2) and is not renewable.

Availability: One ward to first-time student (entering



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freshman, adult learners, or transfer student) beginning each fall semester (T-1 and T-2).

Criteria: Entering freshman must be admitted by the scholarship deadline and have a 3.0 overall GPA on high school course work and be able to demonstrate a record of community services. Adult learners/transfer students are required to have a 3.0 cumulative GPA on all college work. Applicant or family members are required to be a paid member of the Troy University Alumni Association for one year and possess a Troy University car tag.

Deadline: May 1.

### **Transfer Merit** \$2,500 per year—2 year renewable

Requirements: Community College transfer student with minimum 45 hours of completed transferable academic work with minimum 3.5 GPA and required essay.

### **Transfer Achievement** \$2,000 per year—2 year renewable

Requirements: Community College transfer student with minimum 45 hours of completed transferable academic work with minimum 3.25 GPA and required essay.

**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.

# 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 Applied Science
- Associate of Science in General Education
- Associate of Arts in General Education
- Bachelor of Arts
- Bachelor of Science
- Bachelor of Applied Science
- Bachelor of Arts or 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 Foreign Language Requirements

The Bachelor of Arts degree requires that 12 hours of one foreign language (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.

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## BACCALAUREATE DEGREE PARAMETERS

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

### **Bachelor of Arts<sup>1</sup> and Bachelor of Science**

- A. General studies<sup>2</sup>
- 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 <sup>3</sup> ...2-6 hours.

<sup>1</sup> *Bachelor of Arts Foreign 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.

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

<sup>3</sup> *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.

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## ASSOCIATE DEGREE PARAMETERS

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*For more information, see the academic regulations section of this catalog, along with the requirements for individual associate degrees.*

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## PROGRAMS OFFERED (PROGRAM AVAILABILITY MATRIX)

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*For information regarding availability of academic programs by location, please visit academics at [www.troy.edu](http://www.troy.edu) or talk with your registrar or academic adviser.*

## GENERAL STUDIES PROGRAM

A major portion of a student's first- and second-year studies is a common curriculum of courses called the General Studies Program. The General Studies Program is designed to provide a fundamental basis for lifelong learning and advanced studies. General studies courses may not be used in meeting requirements for both the General Studies Program and the requirements for a major or minor. Students are strongly encouraged to complete at least 36 hours of the General Studies Program before registering as a junior.

Requirements for the General Studies Program may change without notice. For transfer guides and complete information regarding the Statewide Transfer and Articulation Reporting System (STARS) and the Alabama Articulation and General Studies Committee (AGSC), please visit [stars.troy.edu](http://stars.troy.edu).

The student must complete a six hour 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). This requirement may be met in Area II or Area IV. Some major programs specify this sequence. The student should consult the listing of specialized general studies requirements 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 about specialized general studies requirements. For further information, the student should contact the academic advisor.

All prerequisites for any of the courses listed below must be met prior to enrollment in these course. For additional information, please refer to the Course Descriptions section of this catalog.

### Area I (6 hours)

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*A minimum grade of C is required in ENG 1101 and 1102.*

ENG 1101 (3) Composition and Modern English I, or placement in ENG 1103 Honors English Composition I

ENG 1102 (3) Composition and Modern English II, or placement in ENG 1104 Honors English Composition II

### Area II (12 hours)

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**Required:**

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 areas (3 hours).

Any 1000-2000 level courses with an expanded historical and cultural scope in the Humanities/Fine Arts disciplines, including Classics, Communication, Dance, English, Foreign Languages, Interdisciplinary Studies, Music, Nursing, Philosophy, Religion, Sign Language, Theatre, or other Humanities/ Fine Arts areas (6 hours).

### Area III (11 hours)

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*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 two courses may be specified for your major.*

**Required:**

MTH 1110 (3) Finite Mathematics      OR      MTH 1112 (3) Pre-Calculus Algebra or higher

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 hours)

### AREA IV (12 hours)

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*See above regarding the sequence requirement.*

**Required:**

Any 1000-2000 level course with a principal focus in History (3 hours).

Any 1000-2000 level courses from the following Social Science disciplines: Anthropology, Business, Criminal Justice, Economics, Education, 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 hours).

### Area V (18-22 hours)

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IS 2241 (3) Computer Concepts and Applications

TROY 1101 (1) University Orientation

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. *See above regarding the sequence requirement.*

## SPECIALIZED CURRICULA

### UNIVERSITY HONORS PROGRAM

The University Honors Program, open to students in all undergraduate divisions of the university, is administered by the Honors Council and the director of university honors. Minimum requirement for acceptance into the program is a composite score of 26 on the ACT (or ACT residual) or an 1180 on the SAT. The student must maintain a cumulative grade point average of 3.25 or higher to be inducted into the program in the spring of the freshman or sophomore year and must maintain a 3.25 to graduate as a University Honors Scholar.

The University Honors Program is open to all students, including those attending Troy University on international student visas. For more information and guidance, please contact the Associate Provost and Dean of First Year Studies, Dr. Hal Fulmer, in 117 Eldridge or by phone at 334-670-5747.

The purpose of the University Honors Program is to offer the academically superior student a specially designed program, within a supportive community, that fosters critical thinking, intellectual development and social responsibility. This enhanced program is designed to provide a balance of common experience and flexibility addressed to individual achievement as well as a comprehensive framework on which to build disciplinary studies.

The Honors Program also has an honors house on campus which houses both male and female students. Students should consult with the director of the University Honors Program and the director of University Housing for availabilities and stipulations. The house serves as a residence and a focal point for meetings and activities with the Honors Alliance, faculty and staff in the Honors Program.

The official student voice within the program is the University Honors Alliance. Membership to the University Honors Alliance is offered to any student with a 3.25 grade point average or higher. There is an annual membership fee as well.

### University Honors Program Requirements

#### I. Honors Versions of General Studies

Within the regular general studies requirements, the University Honors Scholar takes a minimum of 7 honors versions of general studies courses distributed over at least four disciplines. These courses are not taken in addition to the general studies courses; rather, they are taken in place of regular general studies courses. When the minimum number of honors versions of general studies courses is difficult to attain, the student, with the permission of the honors director, may take upper level courses in the general studies sequence to replace and count toward the credit of the honors version of general studies course(s). Students who score a 4 or higher on the AP exam in a subject area or a 5 on the IB exam will be awarded the appropriate honors credit to suffice the 7 courses over 4 discipline requirement. Students who earn an "A" in dual enrollment courses while in high school will be awarded the appropriate honors credit to fulfill the 7 courses over 4 discipline requirement. HON 1101 is required of all students and replaces TROY 1101. This course is not counted as one of the seven required courses for Honors.

#### III. Leadership Minor and Courses (LDR)

The University Honors Scholar may take courses in the Leadership program to count towards the honors versions of general studies courses. These courses would count as one of the four disciplines and would count toward the seven course requirement. Scholars may also pursue a leadership minor, with approval of director. This minor may count toward the requirement mentioned above. Please see the Leadership Studies section of this catalog for a complete list of courses.

#### HONORS GENERAL STUDIES COURSES

HON 1101	(3)	Freshman Honors Colloquium
ENG 1103	(3)	Honors English Composition I
ENG 1104	(3)	Honors English Composition II

ENG 2207	(3)	Honors World Literature before 1660
ENG 2208	(3)	Honors World Literature after 1660
HIS 1103	(3)	Honors History of Western Civilization I
HIS 1104	(3)	Honors History of Western Civilization II
HIS 1113	(3)	Honors U.S. History to 1877
HIS 1114	(3)	Honors U.S. History since 1877
PSY 2201	(3)	Honors General Psychology
POL 2240	(3)	Honors American National Government
COM 2243	(3)	Honors Fundamentals of Speech or Fundamentals of Speech

Honors credit in mathematics will be granted for MTH 1125 (Calculus) and higher.

### University Honors Program Courses (HON)

Please see the course descriptions section of this catalog for descriptions of University Honors Program Courses (HON).

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## MINOR IN CIVIC AND COMMUNITY ENGAGEMENT (18 HOURS)

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IDS 1101	(3)	Citizens to address Global Challenges
IDS 2201	(3)	Applications in Public Service
IDS 3310	(3)	Principled Public Service in Modern Age
IDS 3315	(3)	Systems and Structures in Public Service
IDS 4410	(3)	Social and Policy Entrepreneurship
IDS 4495	(3)	Capstone Internship in Public Service and Civic Engagement

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## ENGLISH AS A SECOND LANGUAGE PROGRAM

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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 clas-

ses 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 VI-Plus 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 unrestricted 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.

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## EXPERIENTIAL LEARNING CREDIT

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### CROSS DISCIPLINE COURSES (CDC)

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#### 3301 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	(1)	University Orientation
IS 2241	(3)	Computer Concepts & Applications

### **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.*

### **Electives (14-15 hours)**

### **Major Requirements (54 hours)**

*Course Requirements for three Troy University minors (18 hours each).*

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## MILITARY ELECTIVES

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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.

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## PRE-PROFESSIONAL CAREERS

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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 SCIENCES

The College of Arts and Sciences 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 different human cultures necessary 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 liberal arts and 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 Arts & Sciences is the university's largest and oldest; it teaches the most students, and 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 pre-

pare you for careers in public and private sectors as well as post-graduate and professional schools. These programs emphasize the core values of a classic liberal arts 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 Arts & Sciences 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 Arts and Sciences regularly evaluates student learning outcomes for each degree program.

### ACCELERATED LAW CURRICULUM (58 HOURS)

1. Students interested in the Accelerated Law Curriculum must complete the requirements for the General Social Science Concentration and the courses outlined in Area V of General Studies 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.
3. Students must successfully complete 30 semester hours of law courses outlined by the partnered institution in order to receive Troy University credit.
4. Students are strongly recommended to take PHI 2204 Ethics and Modern World within Area II of General Studies.
5. Upon the successful completion of the designated 30 semester hours of courses at the partnered institution, students may be awarded a Bachelor of Science in Social Science with a minor in Legal Studies.

**For additional information, interested students should see the chair of the Department of Social Science and interested students must meet with the Pre-Law Advisor.**

#### Area V

IS 2241	(3)	Computer Concepts & Applications
TROY 1101	(1)	University Orientation

#### Requirements for the Major (15 hours)

SS 3375	(3)	Research Methods in Social Sciences
SS 3376	(3)	Statistics in the Social Sciences
GIS 3320	(3)	GIS in the Social Sciences
SS 4498	(3)	Social Science Theory
SS 4499	(3)	Senior Seminar

#### General Social Science Concentration:

Select at least 21 hours of additional 3000/4000-level courses from anthropology, economics, geography, history, political science, psychology, sociology criminal justice, or as approved by department chair. Six (6) hours may be used from ECO 2251, ECO 2252, GEO 2210, ANT 2200, POL 2241, or SOC 2275 in at least three disciplines.

#### Legal Studies Minor (Accelerated Law Curriculum)

##### 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

The remaining nine (9) hours of Legal Studies Minor will consist of courses successfully completed in Law School.

### AIR FORCE ROTC/AEROSPACE STUDIES MINOR (18 HOURS)

AS 3312	(3)	Air Force Leadership Studies I
AS 3313	(3)	Air Force Leadership Studies II
AS 4412	(3)	National Security Affairs/Preparation for Active Duty I
AS 4413	(3)	National Security Affairs/Preparation for Active Duty II

Select two three-hour courses from upper-level political science (POL) courses, or substitute upper-level courses from history (HIS), geography (GEO), or social science (SOC) courses with the approval of the Department of Aerospace Studies chair.

\*Students pursuing an Air Force ROTC Commission must also take the following Labs:

AS L312	(1)	Leadership Laboratory I
AS L313	(1)	Leadership Laboratory II
AS L412	(1)	Leadership Laboratory I
AS L413	(1)	Leadership Laboratory II

### ANTHROPOLOGY MAJOR (36 HOURS)

#### Area IV

Anthropology majors should take Area IV electives appropriate for their major.

#### Major Requirements:

ANT 3305	(3)	Introduction to Archaeology
ANT 3310	(3)	Cultural Anthropology
ANT 3311	(3)	Physical Anthropology
ANT 3315	(3)	The Anthropology of Kinship and Social Structure
ANT 3340	(3)	Language in Culture and Society
ANT 4499	(3)	Anthropology Theory
SS 3376	(3)	Statistics in the Social Science

Select at least 15 hours of additional 3000/4000 level anthropology courses as approved by your faculty adviser

### ANTHROPOLOGY MINOR (18 HOURS)

ANT 3310	(3)	Cultural Anthropology
ANT 3311	(3)	Physical Anthropology

Select at least 12 hours of additional 3000/4000-level anthropology courses as approved by your faculty adviser.



**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.

**BACHELOR OF APPLIED SCIENCE(36 HOURS)****Area IV Requirements**

Choose six credit hours from the following:

ANT 2200	(3)	Anthropology
CJ 1101	(3)	Introduction to Criminal Justice
ECO 2251	(3)	Principles of Macroeconomics
ECO 2252	(3)	Principles of Microeconomics
GEO 2210	(3)	World Regional Geography
LDR 1110	(3)	Introduction to Leadership
PHI 2205	(3)	Introduction to Logic
PHI 2210	(3)	Critical Thinking
SOC 2275	(3)	Introduction to Sociology

**Area V Requirements**

TROY 1101	(1)	University Orientation
IS 2241	(3)	Computer Concepts and Applications

**Required Core Courses (18 Hours)**

MGT 3300	(3)	Principles of Management
PHI 3310	(3)	Applied Ethics
SCI 3365	(3)	Principles of Applied Science
SS 3375	(3)	Research Methods in the Social Sciences
SS 3376	(3)	Statistics in the Social Sciences
GIS 3320	(3)	GIS in the Social Sciences

**Select a minimum of 18 semester hours from the courses listed below:**

ANT 4420	(3)	Forensic Osteology
BIO 3340	(3)	Evolution
CJ 3335	(3)	Security Operations
CS 3310	(3)	Foundations of Computer Science
ECO 3351	(3)	Intermediate Macroeconomics
ECO 3352	(3)	Intermediate Microeconomics
GEM 3390	(3)	Fundamentals of Geographic Information and Analysis
GIS 3301	(3)	Cartography and Geovisualization
GIS 3305	(3)	Spatial Information and Analysis
HS 3310	(3)	Human Behavior in the Social Environment I
POL 3300	(3)	Foundations of Political Science
POL 3343	(3)	American Political Processes
POL 3364	(3)	State and Local Politics
PSY 4410	(3)	Industrial/Organization Psychology
SCI 4450	(3)	Science in a Regulatory Environment
SOC 4406	(3)	Urban Sociology
SOC 4413	(3)	Minorities in U.S. Social Structure
SOC 4421	(3)	Social Inequality
SOC 4445	(3)	Trends in Globalization
SWK 3320	(3)	Human Behavior in the Social Environment II

**OR**

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.

**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 MAJOR (44 HOURS)**

\*Special Topics in Biology (BIO 4476), Guided Independent Studies (BIO 4491/4492) and Guided Independent Research (BIO 4493, 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
IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

**Select one sequence:**

PHY 2252	(3)	General Physics I
PHY L252	(1)	General Physics I Lab
PHY 2253	(3)	General Physics II
PHY L253	(1)	General Physics II Lab

**OR**

PHY 2262	(3)	Physics I with Calculus
PHY L262	(1)	Physics I with Calculus Lab
PHY 2263	(3)	Physics II with Calculus
PHY L263	(1)	Physics II with Calculus Lab

**Major Requirements**

BIO 2220	(3)	Principles of Cell Biology
BIO L220	(1)	Principles of Cell Biology Lab

BIO 2229	(3)	General Ecology
BIO L229	(1)	General Ecology Lab
BIO 3320	(3)	Genetics
BIO L320	(1)	Genetics Lab
BIO 4484	(1)	Senior Seminar in Biological & Environmental Sciences
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
STAT 2210	(3)	Introductory Statistics

**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	(3)	Entomology
BIO L405	(1)	Entomology Lab
BIO 4420	(4)	Field Vertebrate Zoology
BIO 4447	(3)	Ornithology
BIO L447	(1)	Ornithology Lab
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)	Toxicology Lab
BIO 4480	(3)	Histology
BIO L480	(1)	Histology Lab
BIO 4482	(3)	Molecular Biology
BIO L482	(1)	Molecular Biology Lab

Complete one upper-level adviser-approved biology course and its corresponding lab.

**BIOLOGY MINOR (18-20 HOURS)**

Lectures and the corresponding labs must be taken together:

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 10 to 12 additional semester hours of approved upper-level (3300 or above) biology courses with corresponding labs.

**BIOLOGY/BIOLOGICAL SCIENCES (56 HOURS)**

\*Special Topics in Biology (BIO 4476), Guided Independent Studies (BIO 4491/4492) and Guided Independent Research (BIO 4493, 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**

IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation
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 I
PHY L252	(1)	General Physics I Lab
PHY 2253	(3)	General Physics II
PHY L253	(1)	General Physics II Lab

**OR**

PHY 2262	(3)	Physics I with Calculus
PHY L262	(1)	Physics I with Calculus Lab
PHY 2263	(3)	Physics II with Calculus
PHY L263	(1)	Physics II with Calculus Lab

**Requirements**

BIO 2220	(3)	Principles of Cell Biology
BIO L220	(1)	Principles of Cell Biology Lab
BIO 2229	(3)	General Ecology
BIO L229	(1)	General Ecology Lab
BIO 3320	(3)	Genetics
BIO L320	(1)	Genetics Lab
BIO 4484	(1)	Senior Seminar in Biological & Environment Sciences
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
STAT 2210	(3)	Introductory Statistics

Take an additional 30-32 hours in approved upper level biology, biochemistry (CHM 3352), or marine science biology courses.

**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 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**

IS 2241	(3)	Computer Concepts and Applications
MTH 1126	(4)	Calculus II
*PHY 2262	(3)	Physics I with Calculus
*PHY L262	(1)	Physics I with Calculus Lab
*PHY 2263	(3)	Physics II with Calculus
*PHY L263	(1)	Physics II with Calculus Lab

TROY 1101 (1) University Orientation

\*Chemistry majors minoring in Physics may replace these with free electives.

\* Chemistry majors minoring in Mathematics may replace MTH 1126 with free electives.

**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 4491/2	(1-3)	Guided Independent Research
CHM 4493/4	(1-3)	Guided Independent Study
CHM 4499	(1)	Senior Research Seminar
STAT 2210	(3)	Introductory Statistics

**CHEMISTRY MINOR (20 HOURS)**

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 Lab
CHM 3352	(3)	Biochemistry
CHM L352	(1)	Biochemistry Lab

**COMPREHENSIVE GENERAL SCIENCE PROGRAM (54 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**

IS 2241	(3)	Computer Concepts/Applications
PHY 2262	(3)	Physics I w/Calculus
PHY L262	(1)	Physics I w/Calculus Lab
SCI 2234	(3)	Earth & Space Science
SCI L234	(1)	Earth & Space Science Lab

TROY 1101 (1) University Orientation

**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
BIO 3320	(3)	Genetics
BIO L320	(1)	Genetics Lab
BIO 3347	(3)	Human Anatomy & Physiology I
BIO L347	(1)	Human Anatomy & 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
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
MTH 1126	(4)	Calculus II
STAT 2210	(3)	Introductory Statistics
PHY 2263	(3)	Physics II w/Calculus
PHY L263	(1)	Physics II w/Calculus Lab
PHY 3310	(3)	Modern Physics
PHY L310	(1)	Modern Physics Lab
PHY 3359	(3)	Waves and Optics
PHY L359	(1)	Waves and Optics Lab
PHY 4420	(3)	Mechanics

**COMPUTER SCIENCE MINOR (18 HOURS)**

CS 2250	(3)	Computer Science I
CS 2255	(3)	Computer Science II

*Select 12 semester hours of computer science courses with at least one course being at the 4000 level.***COMPUTER SCIENCE PROGRAM (48 HOURS)****Specialized General Studies Requirements****Area III**

MTH 1125 (4) Calculus I, in lieu of MTH 1110

*Select a four hour course/lab combination from the following: (Students must complete an eight hour sequence in chemistry or physics. Also see Area V Requirements.)*

CHM 1142	(3)	General Chemistry I
CHM L142	(1)	General Chemistry I Lab
PHY 2252	(3)	General Physics I
PHY L252	(1)	General Physics I Lab
PHY 2262	(3)	Physics I with Calculus
PHY L262	(1)	Physics I with Calculus Lab

*Select remaining Area III courses as shown in the General Studies section of this catalog.***Area V Requirements**

CS 2250	(3)	Computer Science I
MTH 1126	(4)	Calculus II
TROY 1101	(1)	University Orientation

*Select a four hour course/lab combination from the following: (Students must complete an eight hour sequence in chemistry or physics. Also see Area III.)*

CHM 1143	(3)	General Chemistry II
CHM L143	(1)	General Chemistry II Lab
PHY 2253	(3)	General Physics II
PHY L253	(1)	General Physics II Lab
PHY 2263	(3)	Physics II with Calculus
PHY L263	(1)	Physics II with Calculus Lab

**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 Architectures
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 3325	(3)	Operations Research
CS 3331	(3)	Fundamentals of Artificial Intelligence
CS 3361	(3)	Concepts of Objected Oriented Programming II
CS 4401	(3)	Advanced Artificial Intelligence
CS 4443	(3)	Web Based Software Development
CS 4447	(3)	Systems Analysis and Design
CS 4451	(3)	Computer Security and Reliability
CS 4461	(3)	Software Engineering II
CS 4462	(3)	Special Topics in Object-Oriented Technology
CS 4495	(3)	Special Topics in Computer Science

**BS/MS Computer Science Accelerated Requirements:**

CS 6640	(3)	Advanced Database Concepts
CS 6668	(3)	Network Security
CS 6672	(3)	Distributed Algorithms
CS 6676	(3)	Advanced Computer Network
CS 6634	(3)	Cloud Computing
CS 4495	(3)	Special Topics in Computer Science

**Note:**

- Three (3) of the above courses fulfill nine (9) hours of the upper-level electives courses in the BS in Computer Science.
- These courses are restricted to students who have been admitted to the BS/MS in Computer Science, have completed at least 90 credit hours, and 18 hours of computer science courses, and have a GPA 3.0 or above. Students must also meet requirements for the graduate program.
- GRE requirement for admission into Accelerated BS/MS in Computer Science program is waived for Honors Students who have a GPA of 3.4 or above.

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**COMPUTER SCIENCE, APPLIED MAJOR  
(36 HOURS)**

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**Specialized General Studies Requirements****Area III**

MTH 2201	(3)	Calculus NS Its Applications
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Select additional Area III requirements as shown in the General Studies section of this catalog.

**Area V Requirements**

IS 2241	(3)	Computer Concepts and Applications
MTH 2215	(3)	Applied Discrete Mathematics
TROY 1101	(1)	University Orientation

**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-Based Software Development
CS 4445	(3)	Data Communications 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 4495	(3)	Special Topics in Computer Science
CS 4499	(1-3)	Internship in Computer Science
CS 4480	(3)	Study Abroad in Computer Science
CS 4410	(3)	Introduction to Machine Learning

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**COMPUTER SCIENCE A.S. DEGREE (60 HOURS)**

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**Associate of Science Degree**

See the academic regulations section of this catalog for additional information regarding associate degrees.

**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:**

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

**Select one of the following:**

ART 1133	(3)	Visual Arts
THE 1130	(3)	Introduction to Theatre
MUS 1131	(3)	Music Appreciation

**Area III**

MTH 1125	(4)	Calculus I
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**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**

IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

**Additional requirements**

CS 2250	(3)	Computer Science I
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 3365	(3)	Introduction to Computer Organization and Architectures
MTH 2215	(3)	Applied Discrete Mathematics

Select 9 hours of free electives.

**CRIMINAL JUSTICE MAJOR (36 HOURS)**

Criminal justice majors are encouraged to take two semesters of Spanish or another foreign 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 Law and Criminal Procedure
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**Required Courses:**

CJ 1101	(3)	Introduction to Criminal Justice
CJ 1110	(3)	Careers in Criminal Justice
CJ 3345	(3)	Criminology
CJ 3352	(3)	Constitutional Law
CJ 3375	(3)	Research Methods

**Select 21 additional hours of upper-level (3000-4000) Criminal Justice courses, as approved by the advisor for the major.**

**BS/MSCJ Accelerated Honors Requirements:**

*CJ 6610	(3)	Principles of Administration in Criminal Justice
*CJ 6620	(3)	Current Trends in Criminal Law
*CJ 6622	(3)	Seminar in the Administration of Criminal Justice

*Select an additional 3 hours of upper level (3000-4000) criminal justice courses, as approved by your academic advisor.*

*\*Registration for courses marked with an asterisk is restricted to students who have been admitted to BS/MS in Criminal Justice Accelerated Honors Option, have completed at least 90 credit hours, and 18 hours of criminal justice courses, and have a GPA of 3.4 or above. Students must also meet requirements for the graduate program.*

*\*Students who major in Criminal Justice with Homeland Security Concentration must add Homeland Security as a Minor to be eligible for BS/MSCJ Accelerated Honors Option consideration.*

*\*Students who major in Criminal Justice with Digital Forensics Concentration must add Digital Forensics as a Minor to be eligible for BA/MSCJ Accelerated Honors Option consideration.*

**CRIMINAL JUSTICE MINOR (18 HOURS)**

CJ 1101	(3)	Introduction to Criminal Justice
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*Select 15 additional hours of upper-level criminal justice courses as approved by the advisor.*

**CYBER SECURITY PROGRAM****Area III**

MTH 1125	(4)	Calculus I
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**Select ONE sequence with labs:**

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

**OR**

PHY 2252	(3)	General Physics I
PHY L252	(1)	General Physics I Lab
PHY 2253	(3)	General Physics II
PHY L253	(1)	General Physics II Lab

**OR**

PHY 2262	(3)	Physics I with Calculus
PHY L262	(1)	Physics I with Calculus Lab
PHY 2263	(3)	Physics II with Calculus
PHY L263	(1)	Physics II with Calculus Lab

**Area V**

TROY 1101	(1)	Orientation
STAT 2210	(3)	Introduction to Statistics
CS 2250	(3)	Computer Science I

**Required Courses (54 hours)**

CJ 4472	(3)	Cyber Crime
CJ 4473	(3)	Computer Forensics
CS 2255	(3)	Computer Science II
CS 3323	(3)	Data Structures
CS 3360	(3)	Concepts of Object-Oriented Programming I
CS 3365	(3)	Introduction to Computer Organization and Architecture
CS 3333	(3)	Introduction to Cryptography
CS 3334	(3)	Foundations of Cyber Security
CS 3336	(3)	Information Assurance
CS 4452	(3)	Cyber Security Policies and Compliance
CS 4453	(3)	Ethical Hacking
CS 4454	(3)	Secure Software Development
CS 4455	(3)	Cyber Security Techniques and Practices
CS 4420	(3)	Introduction to Database Systems
CS 4445	(3)	Data Communication and Networking
CS 4448	(3)	Operating Systems
MTH 2215	(3)	Discrete Math

**Select one upper level (3000-4000 level) Computer Science elective.**

**CYBER SECURITY MINOR (18 HOURS)**

CJ 4472	(3)	Cyber Crime
CJ 4473	(3)	Computer Forensics
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

**DIGITAL FORENSICS MINOR / CERTIFICATE (18 HOURS)****Select 18 hours from the following:**

CJ 3380	(3)	Digital Forensics I
CJ 3382	(3)	Social Media Investigation
CJ 4472	(3)	Cyber Crime
CJ 4475	(3)	Seminar in Cyber Crime
CJ 4480	(3)	Digital Forensics II
CJ 4481	(3)	Operating and File System Forensics
CJ 4482	(3)	Digital Evidence Practicum

**ELECTRONICS ENGINEERING TECHNOLOGY PROGRAM (54 HOURS)****Area III**

MTH 1125	(4)	Calculus I
CHM 1142	(3)	General Chemistry I
CHM L142	(1)	General Chemistry I Lab

**Area V**

TROY 1101	(1)	University Orientation
CS 2250	(3)	Computer Science I
GEM 1100	(2)	Computer-Aided Drafting I

**Requirements:**

MTH 1126	(4)	Calculus II
PHY 2262	(3)	Physics I w/Calculus
PHY L262	(1)	Physics I w/Calculus Lab
PHY 2263	(3)	Physics II w/Calculus
PHY L263	(1)	Physics II w/Calculus Lab
EET 2210	(3)	Electronic Devices and Materials
EET 2215	(3)	Analog Circuits and Systems
EET L215	(1)	Analog Circuits and Systems Lab
EET 3315	(3)	Digital Circuits and Systems
EET L315	(1)	Digital Circuits and Systems Lab
EET 3320	(3)	Measurement and Instrumentation
EET 4415	(3)	Automation and Control
EET L415	(1)	Automation and Control Lab
EET 4420	(3)	Fundamentals of Microcontrollers
EET L420	(1)	Fundamentals of Microcontrollers Lab
EET 4425	(3)	Data Communication & Networking
EET 4430	(3)	Optical Electronics
EET 4435	(4)	LSI/ VLSI Design
EET 4440	(4)	Electronic Testing with Lab
EET 4499	(3)	Electronic Engineering Technology Capstone

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**ENVIRONMENTAL SCIENCE MINOR (18-20 HOURS)**


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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 4479	(3)	Environmental Assessment
BIO L479	(1)	Environmental Assessment Lab
BIO 4420	(4)	Field Vertebrate Zoology (combined lecture and lab)
BIO 4425	(4)	Field Botany or BIO 4402 (combined lecture and lab)
BIO 4476	(1-4)	Special Topics (combined lecture and lab)
BIO 4491	(1-4)	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

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**ENVIRONMENTAL SCIENCE PROGRAM (54-56 HOURS)**


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**\*Special Topics in Biology (BIO 4476), Guided Independent Studies (BIO 4491/4492) and Guided Independent Research (BIO 4493, 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
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OR

MTH 1125	(4)	Calculus I*
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**Area V Requirements:**

IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation
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 one of the following GEO or GEM courses:

GEO 2299	(3)	Basic GIS
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OR

GEM 3390	(3)	Fundamentals of Geographical Information
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**Select one PHY lecture and lab combination:**

PHY 2252	(3)	General Physics I
PHY L252	(1)	General Physics I Lab

OR

PHY 2262	(3)	Physics I with Calculus
PHY L262	(1)	Physics I with Calculus Lab

**Program Requirements:**

BIO 1120	(3)	Survey of Environmental Science
BIO L120	(1)	Survey of Environmental Science Lab
BIO 2220	(3)	Principles of Cell Biology
BIO L220	(1)	Principles of Cell Biology Lab
BIO 2229	(3)	General Ecology
BIO L229	(1)	General Ecology Lab
BIO 3320	(3)	Genetics
BIO L320	(1)	Genetics Lab
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
STAT 2210	(3)	Introductory Statistics

Complete 18-20 hours of adviser-approved upper-level courses in biology, marine biology, chemistry, geography, or mathematics.

**BS/MSEBS Accelerated Honors Requirements:**

*EBS 6601	(3)	Environmental and Biological Ethics
*EBS 6624	(3)	Public Health
*EBS 6691	(3)	Research Methodology and Experimental Design

Note: These three courses fulfill 9 hours of the upper-level electives courses in the BS in Environmental Science Program.

\*Registration for courses marked with an asterisk is restricted to students who have been admitted to the Environmental and Biological Sciences Accelerated Honors Option, have completed at least 90 credit hours and 18 hours of biology courses, and have a GPA of 3.4 or above. Students must also meet the requirements for the graduate program.

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**FIRE SCIENCE AND EMERGENCY MANAGEMENT MINOR (18 HOURS)**


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FS 3300	(3)	Introduction to Fire Science
FS 3305	(3)	Community Risk Reduction for Fire and Emergency Services
FS 3310	(3)	Fire and Emergency Services Administration
CJ 3305	(3)	Foundations of Emergency Management

Select 6 hours from the following courses:

FS 3315	(3)	Financial Management in Fire and Emergency Services
FS 3320	(3)	Arson Investigation
CJ 3335	(3)	Security Operations
CJ 3345	(3)	Criminology
CJ 4440	(3)	Terrorism
CJ 4470	(3)	Criminal Justice Issues in Homeland Security
COM 4460	(3)	Crisis Communication

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**GAME DEVELOPMENT AND DESIGN MINOR (18 HOURS)**


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**Select one of the following:**

- GDD 2210/HIS 2210 (3) History Through Games  
 GDD 3310/HIS 3310 (3) History of Game Design

**Required Courses**

- GDD 3320 (3) Game Development  
 GDD 4499 (3) Game Design Capstone

**Select three courses from the following:**

- GDD 4425 (3) Special Topics in Game Design and Development  
 GDD 4490 (3) Internship in Game Design and Development  
 ART 2208 (3) Digital Tools  
 ART 2210 (3) e-Drawing  
 ART 3315 (3) Principles of Digital Design  
 MKT 3300 (3) Principles of Marketing  
 MKT 3364 (3) Product and Service Innovation  
 CS 3360 (3) Concepts of Object Oriented Programming I  
 CS 3361 (3) Concepts of Object Oriented Programming II  
 ENG 3326 (3) Science Fiction  
 ENG 3351 (3) Introduction to Creative Writing  
 ENG 3352 (3) Advanced Creative Writing I  
 ENG 3353 (3) Advanced Creative Writing II  
 ENG 4407 (3) Fantasy Literature

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**GENERAL EDUCATION A.A. DEGREE (60 HOURS)**


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**Associate of Arts Degree**

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 & Modern English I  
 ENG 1102 (3) Composition & 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

Select six hours of one foreign language.

**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**

- IS 2241 (3) Computer Concepts and Applications  
 TROY 1101 (1) University Orientation

**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.

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**GENERAL EDUCATION A.S. DEGREE (60 HOURS)**


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**Associate of Science Degree**

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 Science in General Education must meet the minimum grade requirements in mathematics.**

**General Studies Requirements****Area I**

- ENG 1101 (3) Composition & Modern English I  
 ENG 1102 (3) Composition & 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**

IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

**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.

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**GEOGRAPHIC INFORMATION SYSTEMS (GIS)  
MINOR (18 HOURS)**

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**Required Courses: (9 Hours)**

GIS 3301	(3)	Cartography and Geo-Visualization
GIS 3390	(3)	Fundamentals of Geographical Information and Analysis
GIS 3305	(3)	Spatial 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 4401	(3)	Spatial Database Design and Management
GIS 4405	(3)	Spatial Modeling and Programming
GIS 3391	(3)	Application of Geospatial Information Sciences
GEM 4410	(3)	Introduction to Global Positions
CS 3310	(3)	Foundations of Computer Sciences

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**GEOGRAPHY MINOR (18 HOURS)**

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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. GEO 2210 may not be counted toward both general studies and the geography minor.

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**HISTORY EDUCATION (36 HOURS)**

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Students seeking Alabama teacher certification should select history as a first major and education as a second major. Students should consult with their advisers concerning all certification requirements.

**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 1111	(3)	U.S. to 1877, or placement
HIS 1112	(3)	U.S. since 1877, or placement
IS 2241	(3)	Computer Concepts and Apps.
TROY 1101	(1)	University Orientation

**Requirements for the Major**

HIS 3375	(3)	Research and Methodology
HIS 4490	(3)	Senior Seminar

Select one emphasis:

**American/Latin American History Emphasis:**

Select 15 hours of upper-level American/Latin American courses in addition to either HIS 3316 or 4406.

Select an additional nine hours of upper-level European/Asian/African courses in addition to HIS 4451.

**European/Asian/African History Emphasis:**

Select 15 hours of upper-level European/Asian/African courses in addition to HIS 4451.

Select an additional 9 hours of upper-level American/Latin American courses in addition to either HIS 3316 or 4406.

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**HISTORY MAJOR (36 HOURS)**

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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
IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

**Requirements for the Major**

HIS 3375	(3)	Research and Methodology
HIS 4490	(3)	Senior Seminar

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**

IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation
HIS 1111	(3)	U.S. to 1877, or placement
HIS 1112	(3)	U.S. since 1877, or placement
GEO 2210	(3)	World Regional Geography

**Requirements for the Major**

HIS 3375	(3)	Research and Methodology
HIS 4490	(3)	Senior Seminar

Select 18 hours of approved, upper-level European/Asian/African courses

Select 12 hours of approved, upper-level American/Latin American courses.



**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.

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 1123 or permission of instructor are prerequisite for upper-level European /Asian/African history courses.*

**HOMELAND SECURITY MINOR (18 HOURS)**

*Select 18 hours from the following as approved by the adviser:*

CJ 3305 (3) Foundations of Emergency Management  
 CJ 3335 (3) Security Operations  
 CJ 4420 (3) Comparative Criminal Justice  
 CJ 4405 (3) National Security and the Law  
 CJ 4440 (3) Terrorism  
 CJ 4470 (3) Criminal Justice Issues in Homeland Security  
 CJ 4488 (3) Internship (limit one)  
 POL 3364 (3) State and Local Politics  
 POL 4415 (3) International Conflict  
 POL 4422 (3) Public Policy Making

**HUMANITIES MINOR (18 HOURS)**

*Please see the College of Communication and Fine Arts for details on the Humanities Minor.*

**INTELLIGENCE MINOR (18 HOURS)**

*Required for the minor:*

CJ 3308 (3) Foundations of Intelligence

*Select 15 hours from the following courses:*

CJ 3305 (3) Foundations of Emergency Management  
 CJ 3345 (3) Criminology  
 CJ 3350 (3) Gangs  
 CJ 3382 (3) Social Media Investigation  
 CJ 4406 (3) Transnational Organized Crime  
 CJ 4425 (3) Violence in America  
 CJ 4430 (3) Selected Topics in Criminal Justice  
 CJ 4440 (3) Terrorism  
 CJ 4470 (3) Criminal Justice Issues in Homeland Security

**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

**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 Law and Criminal Procedure  
 CJ 3352 (3) Constitutional Law in Criminal Justice  
 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  
 POL 3342 (3) Judicial Branch  
 POL 4420 (3) Constitutional Law  
 POL 4472 (3) Administrative Law

**MARINE BIOLOGY PROGRAM (56 HOURS)**

\*Special Topics in Biology (BIO 4476), Guided Independent Studies (BIO 4491/4492) and Guided Independent Research (BIO 4493, 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**

IS 2241 (3) Computer Concepts and Applications  
 TROY 1101 (1) University Orientation  
 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 I  
 PHY L252 (1) General Physics I Lab  
 PHY 2253 (3) General Physics II  
 PHY L253 (1) General Physics II Lab

**OR**

PHY 2262 (3) Physics I with Calculus  
 PHY L262 (1) Physics I with Calculus Lab  
 PHY 2263 (3) Physics II with Calculus  
 PHY L263 (1) Physics II with Calculus Lab

**Requirements for the Program**

*Lectures and corresponding labs must be taken together.*

BIO 2220 (3) Principles of Cell Biology  
 BIO L220 (1) Principles of Cell Biology Lab  
 BIO 2229 (3) General Ecology  
 BIO L229 (1) General Ecology Lab  
 BIO 3320 (3) Genetics  
 BIO L320 (1) Genetics Lab  
 BIO 4484 (1) Senior Seminar in Biological & Environment Sciences  
 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
STAT 2210	(3)	Introductory Statistics

**Troy University Courses:**

BIO 3307	(3)	Invertebrate Zoology
BIO L307	(1)	Invertebrate Zoology Lab

Complete 12 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, L143, BIO 1101, L101, BIO 2229, L229. 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.

**MATHEMATICS EDUCATION**

Students seeking Alabama teacher certification should select mathematics as a first major and education as a second major. Students should consult with their advisers concerning all certification requirements.

**MATHEMATICS MAJOR (38 HOURS)****Specialized General Studies Requirements****Area III**

MTH 1125	(4)	Calculus I
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**Area V Requirements**

TROY 1101	(1)	University Orientation
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
MTH 4424	(3)	Real Analysis I
MTH 4441	(3)	Abstract Algebra I

**Select one of the following:**

MTH 4425	(3)	Real Analysis II
MTH 4442	(3)	Abstract Algebra II

**OR both of the following:**

STAT 3350	(3)	Statistical Methods and Computation
STAT 4451	(3)	Mathematical Statistics I

Students selecting STAT 3350 and STAT 4451: select nine more hours of mathematics or STAT courses at the 3000 level and above (excluding MTH 4481).

Students selecting MTH 4425 or MTH 4442: select 12 hours of mathematics or STAT courses at the 3000 level and above (excluding MTH 4481).

Students seeking Alabama teacher certification must select MTH 3325, STAT 3350 and STAT 4451.

**MATHEMATICS AND PHYSICS DOUBLE MAJOR**

Students seeking a double major in Mathematics and Physics should consult with their advisers in both the Mathematics and Physics Departments.

**MATHEMATICS MINOR (18 HOURS)**

MTH 1125	(4)	Calculus I
MTH 1126	(4)	Calculus II
MTH 2227	(4)	Calculus III
MTH 3331	(3)	Linear Algebra

Select an additional three hours of math 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.

**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)	Applied Regression Analysis
STAT 4465	(3)	Categorical Data Analysis
STAT 4466	(3)	Data Mining
STAT 4467	(3)	Experimental Design
STAT 4456	(3)	Mathematics of Finance
STAT 4464	(3)	Multivariate Analysis

**MILITARY OPERATIONS MINOR (18 HOURS)**

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.

**MILITARY SCIENCE LEADERSHIP MINOR (19-22 HOURS)****Area II Requirements:**

COM 2241	(3)	Fundamentals of Speech
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**Area IV Requirements:**

Select one 2000 level 3-hour course from one of the following areas: Psychology, Sociology, or Political Science.

MSL 3301	(3)	Leadership and Problem Solving
MSL 3302	(3)	Leadership and Ethics
MSL 3304	(1)	Military Advanced Leadership Lab 111-A
MSL 3305	(1)	Military Advanced Leadership Lab 111-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	(1-3)	Senior Seminar in Military Science

Select a three-hour military history course approved by the professor of military science.

**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 2280	(1-3)	Travel Study in Philosophy
REL 2210	(3)	Introduction to Biblical Studies
PHI 2215	(3)	General Topics in Philosophy
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/HIS 3365	(3)	Bioethics in Historical Context
PHI 3380	(3)	Travel Study in Philosophy

PHI 4493-94	(3)	Guided Independent Study
PHI 4495	(3)	Selected Topics in Philosophy
PHI 4499	(1-3)	Internship in Philosophy
REL 3380	(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

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**PHYSICS MAJOR (37 HOURS)**

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**Area III**

MTH 1125	(4)	Calculus I
PHY 2262	(3)	Physics I w/Calculus
PHY L262	(1)	Physics I w/Calculus Lab

**Area V**

CS 2250	(3)	Computer Science I
MTH 1126	(4)	Calculus II*

*Note: \*Students selecting a minor in Mathematics or a second major in Mathematics will meet the Calculus II requirement in the Mathematics Major/Minor rather than in Area V.*

**Required courses (20 hours)**

PHY 2263	(3)	Physics II w/Calculus
PHY L263	(1)	Physics II w/Calculus Lab
PHY 3310	(3)	Modern Physics
PHY L310	(1)	Modern Physics Lab
PHY 3325	(3)	Thermodynamics
PHY 4420	(3)	Mechanics
PHY 4435	(3)	Electricity & Magnetism
PHY 4445	(3)	Quantum Mechanics I

**Select a minimum of 17 semester hours from the courses listed below:**

MTH 2227	(4)	Calculus III
MTH 3364	(3)	Vector Calculus
PHY 3320	(3)	Mathematical Methods for Physicists
PHY 3321	(3)	Equations of Mathematical Physics
PHY 3359	(3)	Waves and Optics
PHY L359	(1)	Waves and Optics Lab
PHY 4438	(3)	Electromagnetic Fields
PHY 4440	(3)	Dynamics of Particles & Systems
PHY 4446	(3)	Quantum Mechanics II
PHY 4460	(3)	Relativity I
PHY 4470	(3)	Nuclear Physics
PHY 4475	(3)	Particle Physics
PHY 4478	(3)	Relativity II
PHY 4482	(3)	Introduction to String Theory
PHY 4483-85	(1)	Seminar in Relativity
PHY 4495	(3)	Topics in Physics
PHY 4491-92	(3)	Guided Independent Research
PHY 4493-94	(3)	Guided Independent Study

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**PHYSICS AND MATHEMATICS DOUBLE MAJOR**

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Students seeking a double major in Physics and Mathematics should consult with their advisers in both the Physics and Mathematics Departments.

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**PHYSICS MINOR (18-19 HOURS)**

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PHY 2262	(3)	Physics I Calculus
PHY L262	(1)	Physics I with Calculus Lab
PHY 2263	(3)	Physics II with Calculus

PHY L263	(1)	Physics II with Calculus 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.*

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**POLITICAL SCIENCE MAJOR (36 HOURS)**

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**Area V Requirements**

IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation
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 of the following concentrations:**

**American Politics and Public Administration Concentration**

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 six hours from the following:**

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

*Select an additional 12 hours of upper-level (3000-4000) political science courses, as approved by your academic adviser.*

**International Politics Concentration:**

POL 3351	(3)	International Relations
POL 4410	(3)	International Political Economy
POL 4433	(3)	Comparative Government

**Select six hours from the following:**

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

*Select an additional 12 hours of upper-level (3000-4000) political science courses, as approved by your academic adviser.*

**Accelerated Honors Requirements:**

*IR 5551	(3)	Survey of International Relations
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- \*IR 6601 (3) Research Method in International Relations  
 \*IR6620 (3) International Political Economy

Select an additional 3 hours of upper-level (3000-4000) political science courses, as approved by your academic advisor.

\*Registration for courses marked with an asterisk is restricted to students who have been admitted to **International Relations Concentration Accelerated Honors Option**, have completed at least 90 credit hours, and 18 hours of political science courses. Students must also meet requirements for the graduate program.

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#### POLITICAL SCIENCE MINOR (18 HOURS)

- POL 3300 (3) Foundations of Political Science  
 POL 3330 (3) Introduction to Political Theory

Select an additional 12 hours of upper level courses, as approved by your academic advisor.

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#### 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

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#### 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

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#### 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.

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#### SOCIAL SCIENCE EDUCATION

Students seeking Alabama teacher certification should complete the social science major with a general social science concentration and select education as a second major. Students should consult their education advisers concerning all certification requirements and with their academic discipline adviser for requirements in the major. \*Education students will need to take coursework to include the following disciplines: Geography, History, Political Science, and Economics.

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#### SOCIAL SCIENCE MAJOR (36 HOURS)

##### Specialized General Studies Requirements

##### AREA IV

NOTE: Social Science major with a concentration should take Area IV electives appropriate for their concentration.

NOTE: Social Science Education Majors must take HIS 1101 Western Civilization I and HIS 1102 Western Civilization II.

##### Requirements for the Major

- SS 3375 (3) Research Methods in the Social Sciences  
 SS 3376 (3) Statistics in the Social Sciences  
 GIS 3320 (3) GIS in the Social Sciences  
 SS 4498 (3) Social Science Theory  
 SS 4499 (3) Senior Seminar

Select one of the following concentrations:

##### General Social Science Concentration:

Select at least 21 hours of additional 3000/4000-level courses in at least three disciplines from anthropology, economics, geography, history, political science, psychology, sociology, criminal justice, or as approved by department chair. (Six hours may be used from ECO 2251, ECO 2252, GEO 2210, ANT 2200, POL 2241, or SOC 2275). \*Education students will need to take ECO 2251, POL 2241, and HIS 3375.

##### Geography Concentration:

- GEO 3300 (3) Principles of Physical Geography  
 GEO 3301 (3) Principles of Cultural Geography

Select at least 15 hours of additional 3000/4000-level courses as approved by your faculty adviser:

##### Leadership Development Concentration:

- LDR 1100 (3) Introduction to Leadership  
 LDR 2200 (3) Tools for Leaders  
 LDR 3300 (3) Leadership Theory  
 LDR 4400 (3) Leadership Seminar

##### Select an additional 9 hours from the following:

- AS 3312 (3) Air Force Leadership Studies I  
 AS 3313 (3) Air Force Leadership Studies II  
 COM 3345 (3) Group Discussion and Leadership  
 HIS 4415 (3) Contemporary America  
 LDR 3310 (3) Leadership and Interpersonal Skills  
 LDR 3320 (3) Great Leaders  
 MGT 3300 (3) Principles of Management  
 MSL 2202 (2) Leadership and Teamwork  
 MSL 2204 (1) Leadership Lab  
 POL 4422 (3) Public Policy Making  
 POL 3351 (3) Foundations of International Relations  
 POL 4421 (3) Introduction to Public Administration  
 PSY 4410 (3) Business and Industrial Psychology  
 SOC 3301 (3) Collective Behavior and Social Movements

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#### SOCIAL SCIENCE MINOR: GENERAL SOCIAL SCIENCE (18 HOURS)

- SS 4498 (3) Social Science Theory

Select an additional 15 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.*

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### SOCIOLOGY MAJOR (36 HOURS)

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#### Area IV Requirements

SOC 2275 (3) Introduction to Sociology

#### Area V Requirements

IS 2241 (3) Computer Concepts and Applications  
TROY 1101 (1) University Orientation  
SOC 2280 (3) Social Problems in Contemporary Society

#### Requirements for the Major

SOC 4420 (3) Sociological Theory  
SS 3375 (3) Research Methods in the Social Sciences  
SS 3376 (3) Statistics in the Social Sciences  
SS 4499 (3) Senior Seminar

*Select an additional 24 hours of approved upper-level sociology courses.*

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### SOCIOLOGY MINOR (18 HOURS)

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*Select 18 hours of approved, upper-level Sociology courses. SOC 2280 may be applied toward the minor.*

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### SURVEYING AND GEOMATICS SCIENCES PROGRAM (53 HOURS)

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#### Area II:

ART 2201 (3) Introductory Drawing

Select remaining Area II courses as specified in the General Studies section of this catalog.

#### Area III Requirements

MTH 1125 (4) Calculus I

Select an 8 hour physics sequence with labs:

PHY 2252 (3) General Physics I  
PHY L252 (1) General Physics I Laboratory  
PHY 2253 (3) General Physics II  
PHY L253 (1) General Physics II Laboratory  
OR  
PHY 2262 (3) Physics I with Calculus  
PHY L262 (1) Physics I with Calculus Laboratory  
PHY 2263 (3) Physics II with Calculus  
PHY L263 (1) Physics II with Calculus Laboratory

#### Area V Requirements

CS 2250 (3) Computer Science I  
IS 2241 (3) Computer Concepts & Application  
MTH 2230 (3) Applied Linear Algebra  
STAT 2210 (3) Introductory Statistics  
TROY 1101 (1) University Orientation

#### Program Requirements

GEM 1100 (2) Computer-Aided Drafting I  
GEM 1101 (2) Computer-Aided Drafting II  
GEM 2220 (3) Basics of Surveying  
GEM L220 (1) Basics of Surveying Lab  
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 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 & Construction Surveying  
GEM L405 (1) Route & Construction Surveying Lab  
GEM 4407 (3) Land Development  
GEM L407 (1) Land Development Lab  
GEM 4408 (3) Geodesy & Geodetics  
GEM 4409 (3) Hydrology  
GEM L409 (1) Hydrology Lab  
GEM 4410 (3) Introduction to Global Positions  
GEM 4490 (1) Geomatics Capstone

#### Select two hours below:

GEM 4499 (2) Geomatics/GIS Projects

#### OR

GEM 3395 (1) Cooperative Work Experience I and  
GEM 4496 (1) Cooperative Work Experience II

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### SURVEYING AND GEOMATICS SCIENCES MINOR (20 HOURS)

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#### Required Courses:

GEM 1100 (2) Computer-Aided Drafting  
GEM 2220 (3) Basics of Surveying  
GEM 3309 (3) Land Surveying Principles  
GIS 3390 (3) Fundamentals of Geographic Information and Analysis  
GEM 4408 (3) Geodesy and Geodetics  
GEM 4409 (3) Hydrology  
GEM 4410 (3) Introduction to Global Positions (GPS)

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### UNMANNED AERIAL SYSTEMS (18 HOURS)

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#### Unmanned Aerial Systems Emphasis (18 hrs.)

#### 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) UAS Real World Applications  
UAS 2212 (3) UAS Piloting Familiarization

## SORRELL COLLEGE OF BUSINESS

### **TROY UNIVERSITY SCOB MISSION STATEMENT**

*The Sorrell College of Business (SCOB) prepares a diverse student body, drawn primarily from Alabama and surrounding states, to become successful, ethical and engaged business professionals with the knowledge to compete in the global business environment.*

#### **To achieve this our faculty, staff, and administration will:**

*Provide quality undergraduate and graduate education in global business through high-quality teaching;*

*Serve the university and engage with business and professional communities in our primary service area through individual involvement and our centers for research and outreach;*

*Grow and enhance the longstanding “culture of caring” for our traditional, nontraditional, military, and international students; and*

*Contribute to the creation of knowledge, with a focus on the scholarship of application and integration, and teaching and learning, complemented by basic and discovery scholarship in select disciplines.*

### **TROY UNIVERSITY SCOB VISION STATEMENT**

*The Sorrell College of Business strives to be a renowned teaching-focused business college graduating GEEKS ready to succeed in business and life.*

### **ACCREDITATION**

*The undergraduate and graduate programs offered in the Sorrell College of Business are accredited by AACSB International-The Association to Advance Collegiate Schools of Business. The undergraduate and graduate accounting programs offered in the School of Accountancy are separately accredited by AACSB International.*

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### **B.S.B.A. BUSINESS ADMINISTRATION DEGREE REQUIREMENTS**

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*For more information, see the index listings for baccalaureate degree parameters, general studies, and academic regulations.*

#### **Specialized Requirements**

Students must complete the following lower-level courses (or their approved transfer credit equivalents) with a grade of “C” or higher in each course before registering for any upper level course in the business curriculum: ENG 1101/03, ENG 1102/04, MTH 1112. Students are allowed a maximum of three attempts at completing each of these courses with a grade of “C” or higher. Students must have a 2.0 average in all of the following lower-level business courses before being admitted to the business program: IS 2241, ACT 2291/92, ECO 2251/52, QM 2241, LAW 2221, MGMT 3300, MKT 3330. Students may enroll concurrently in the last of these courses along with their initial 3000-level courses (MGT 3300 and MKT 3300 only) subject to their advisor’s approval and consistent with published prerequisite requirements.

Students entering Troy University with an interest in business (as freshmen or sophomores) will be enrolled as General Business student (GBUS) with a major/concentration declared. A major advisor will be assigned to each student. GBUS majors will not be allowed to enroll in business courses above the 3300-level until they meet entrance requirements. Students must complete the first 65 hours (all general studies courses and the entire 2000-level business courses, and MGT 3300 and MKT 3300 (formerly MGT 3371 and MKT 3361) with a 2.0 GPA (2.3 GPA for accounting majors) before applying for and being allowed to enter the upper-level Business Program.

GBUS students must request a program evaluation from assigned advisor after completion of 45 hours to ensure they are on track to apply for entry into the Upper Level Business courses on schedule.

Upon completion of the last course of the 65-hour requirement, and with a GPA of 2.0 (2.3 for accounting majors), students may enroll in upper level courses with their advisor approval. The student will be enrolled in (up to 18 hours) FIN 3331, QM 3345, IS 3310, BUS 3382 or ACT 3391 (for accounting majors only). Students are also required to take the one-hour BUS 3310 Intermediate Excel course and take a GBUS core exam and other appropriate courses for their particular concentration/major. If a student is taking courses on a term basis then these courses

would be completed over two consecutive terms. Students who do not meet the Business Program requirements will be denied entry until those requirements are met.

Students in their last term of completing the 65 hour requirement and have less than 15 hours (or less than 6 hours if on terms) remaining to meet the 65 hour requirement should contact the department of the major of interest. The Dean or Associate Dean may approve the student to register for up to an additional twelve hours (if on a semester; two courses if on terms) and the one-hour Intermediate Excel class of the courses listed above so they may qualify for full-time student status. However, they must meet the GPA requirement and have obtained at least a “C” in those 1000/2000 level courses already taken and that are listed in paragraph one; otherwise they will not be allowed to register for the additional upper level courses. Students who do not complete the final course(s) with a passing grade and a GPA of at least a 2.0 (2.3 for accounting majors), will not be allowed to take any more upper level courses until they meet the standards.

Admission as a Transfer Student-Transfer credit will not be awarded for any course to be used in the business core or major in which a “C” grade or higher has not been achieved.

Transfer credits acceptable for admission purposes shall be evaluated to determine their suitability for degree credit in the Sorrell College of Business Administration. The Dean of the College will make the final decision concerning transfer credit allowable within the curricula. **A minimum of 31 hours of credit in the Sorrell College of Business Administration courses must be successfully completed at Troy University in order to receive the B.S.B.A. degree.** The thirty-one hours taken must be in Business courses and would not include any General Study courses taught by the Sorrell College of Business (e.g., ECO 2251, ECO 2252, and IS 2241). Transfer credit will not be allowed for any courses where assessments for accreditation purposes are being conducted. Courses not allowed to transfer for courses where assessments are being conducted may be considered for SCOB elective courses.

Students transferring from AACSB accredited schools or an appropriately accredited International institution must follow the same requirements listed above. Students who have completed the first 65 hours and have the required GPA will be assigned a major, an advisor, and will enroll in FIN 3331, QM 3345, IS 3310, BUS 3382, or ACT 3391 (for accounting majors only), and other courses appropriate to their major (12-18 hours). Please note other than for MGT 3300 and MKT 3300, 1000-2000-level courses generally do not transfer for 3000-level courses.

Only those 1000-2000-level courses from AACSB accredited schools will be considered and evaluated for above 3300 Troy University level credit on a case-by-case basis. Students

transferring from all other regionally accredited schools must have at least a 2.0 GPA (2.3 for accounting majors). Students who have not completed all 65-hours of the GBUS program, will not be allowed to take upper level courses until the GBUS program has been completed and the Troy University GPA meets or exceeds a 2.0 (2.3 for accounting majors). Transfer students who are in their last term of completing the 65-hour requirement and have less than 15 hours remaining to meet the 65 hour requirement, may with Department Head/designee approval register for up to 18 hours (9 hours if on terms) of the courses listed above and the one-hour Intermediate Excel class in order to qualify for full-time student status. However, transfer students must meet the GPA requirement and a "C" in those 1000/2000 level courses listed in paragraph one; otherwise they will not be allowed to register for the additional upper level courses. Transfer students who do not complete the final course(s) with a passing grade and possess a 2.0 GPA (2.3 for accounting majors), will not be allowed to register for additional upper level courses until they meet the standards.

*Transfer credits above 3300 level credits will be transferred in only from AACSB accredited or upon approval by the SCOB Dean.*

Students must achieve an overall "C" average in their business core, business major, and business minor(s) in order to be eligible to graduate. All courses should generally be taken in the appropriate numerical sequence (i.e., 3000-level courses should generally be completed before attempting 4000-level courses).

Sorrell College of Business students must pass the business administration capstone course, BUS 4476, with a grade of "C" or better. BUS 4476 should be taken in their final semester or term.

Business students are allowed a maximum of three attempts at completing any business course with a passing grade (A "D" is a passing grade). Failure to do so will result in being dropped from that major/concentration.

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.

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 major, be a bona fide transient student who has completed at least 60 hours, and has a GPA of 2.0 or higher. Non-Business students can take no more than 12 hours above 3300-level and above without being a business major. Non-Business majors must meet the prerequisites for the business courses in which they enroll.

#### **Specialized General Studies Requirements:**

The general studies program must include ECO 2251, ECO 2252 and MTH 1112.

#### **THE SORRELL GLOBAL BUSINESS HONORS DEGREE PROGRAM (TROY CAMPUS)**

The Sorrell College of Business (SCOB) Honors program is open to all Global Business majors at the Troy Campus. Minimum acceptance into the program is a 28 on the ACT. Students must maintain a 3.25 overall GPA and in their business courses to graduate as a SCOB Honors Scholar. For more information and guidance, please contact the Associate Dean of Business in 113 Bibb Grave Hall.

The purpose of the SCOB Global Business Honors Program is 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.

#### **SCOB HONORS GENERAL STUDIES COURSES**

**SCOB Honors Students select five of the following general study courses:**

- ENG 1102 (3) Honors English Composition I  
ENG 1104 (3) Honors English Composition II

- ENG 2207 (3) Honors World Literature before 1660  
ENG 2208 (3) Honors World Literature after 1660  
HIS 1103 (3) Honors History of Western Civilization I  
HIS 1104 (3) Honors History of Western Civilization II

**SCOB Honors Students 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

Also, SCOB Honors Students must take 6 credit hours of one foreign language as part of their general studies.

#### **SCOB HONORS GLOBAL BUSINESS COURSES**

In addition to the normal Global Business Degree requirements, Honors student 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**

- MGT 3301 Honors Principles of Management  
MKT 3301 Honors Principles of Marketing

#### **GLOBAL BUSINESS CORE**

- ECO 4452 (3) Honor Economics of Globalization  
HRM 3376 (3) Honors Human Resource Management  
MGT 3372 (3) Honors leadership/Change  
MKT 4467 (3) Honors Global marketing  
MGT 4477 (3) Honors Managing in a Global Environment  
BUS 4451 (3) Honors Global Leadership Experience

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#### **BUSINESS CORE (37 HOURS)**

##### **Lower-level Business Core (18 Hours)**

- ACT 2291 (3) Principles of Accounting I  
ACT 2292 (3) Principles of Accounting II  
LAW 2221 (3) Legal Environment of Business  
MGT 3300 (3) Principles of Management  
MKT 3300 (3) Principles of Marketing  
QM 2241 (3) Business Statistics and Data Analytics

##### **Upper-level Business Core (19 Hours)**

- BUS 3310 (1) Intermediate Excel  
BUS 3382 (3) Business Communication  
BUS 4474 (3) Business and Society  
BUS 4476 (3) Strategic Management  
FIN 3331 (3) Managerial Finance  
IS 3310 (3) Introduction to Information Systems and Data Analytics  
QM 3345 (3) Operations Management

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#### **ACCOUNTING MAJOR (37 HOURS)**

**B.S. in Business Administration degree with a major in accounting.**

##### **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  
ACT 3396 (3) Accounting Information Systems  
ACT 4435 (3) International Accounting  
ACT 4480 (1) Professional Development  
ACT 4491 (3) Advanced Accounting  
ACT 4494 (3) Income Tax I

ACT 4495	(3)	Income Tax II
ACT 4497	(3)	Auditing
IS 3315	(3)	Advanced Applications for Accounting

**Elective Accounting Courses (3 hours)**

Select one upper-level business elective (ACT 4499 Accounting Internship recommended)

**ECONOMICS MAJOR (36 HOURS)****B.S.B.A. in Business Administration with a major in Economics.****GENERAL ECONOMICS CONCENTRATION (36 HOURS)****Required Economics Courses (9 hours)**

ECO 3351	(3)	Intermediate Macroeconomics
ECO 3352	(3)	Intermediate Microeconomics
ECO 4459	(3)	Economics Seminar

**Economics Electives (21 hours)**

ECO 3353	(3)	Money & Banking
ECO 3355	(3)	Labor Economics
ECO 3361	(3)	Sport 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: Rise of the Western World
ECO 4455	(3)	Comparative Econ Systems
ECO 4456	(3)	The Economic and Moral Foundations of Capitalism
ECO 4457	(3)	Econometrics
ECO 4458	(3)	Law & Economics
ECO 4460	(3)	Urban and Regional Economics
ECO 4461	(3)	Austrian Economics
ECO 4462	(3)	Game Theory

**Must choose 2 Finance courses below (6 hours)**

FIN 3333	(3)	Financial Mathematics
FIN 3334	(3)	Financial Statement Analysis
FIN 3336	(3)	Real Estate Finance I
FIN 4419	(3)	Derivatives
FIN 4432	(3)	Investments
FIN 4440	(3)	Real Estate Finance II

**FINANCIAL ECONOMICS CONCENTRATION (36 HOURS)****Core Economics (6 Hours)**

ECO 3351	(3)	Intermediate Macroeconomics
ECO 3352	(3)	Intermediate Microeconomics

**Required courses (21 Hours)**

ECO 4451	(3)	Economics of Globalization
FIN 3334	(3)	Financial Statement Analysis
FIN 3336	(3)	Real Estate Finance I
FIN 4431	(3)	Intermediate Financial Management
FIN 4432	(3)	Investments
FIN 4437	(3)	Financial Institutions
FIN 4438	(3)	Bank Management

**Electives**

Select three upper-level FIN courses, or ECO 3353, or ACT 3391 (9 Hours)

**GLOBAL BUSINESS MAJOR REQUIREMENT (18 HOURS)****B.S.B.A. in Business Administration with major in global business.****Major Requirements (18 Hours)**

ECO 4451	(3)	Economics of Globalization
HRM 3375	(3)	Global Human Resource Management
MGT 4471	(3)	Leadership/Change
MKT 4468	(3)	Global Marketing
MGT 4478	(3)	Managing in a Global Environment

Choose any upper-level business elective

\*Managerial Accounting Concentration students must take FIN 3334 Financial Statement Analysis as their upper-level business elective.

**ACCOUNTING AND FINANCE CONCENTRATION (18 HOURS)****Required Classes (18 hours)**

ACT 3395	(3)	Managerial/Cost Accounting I
ACT 4496	(3)	Managerial/Cost Accounting II
ACT 3365	(3)	Financial Reporting and Analysis
FIN 4431	(3)	Intermediate Financial Management
FIN 4432	(3)	Investments
FIN 3334	(3)	Financial Statement Analysis

**DATA ANALYTICS CONCENTRATION (18 HOURS)****Required Classes (12 hours)**

IS 3346	(3)	Database MGT Systems I
IS 3350	(3)	Business Programming
IS 4410	(3)	Business Data Mining
IS 4415	(3)	Big Data Analytics and Visualization

**Electives (6 hours)**

MKT 4464	(3)	Marketing Research
IS 4440	(3)	Knowledge MGT/BUS Intelligence
MGT 4460	(3)	Introduction to Project Management
MKT 4465	(3)	Supply Chain Management
FIN 4432	(3)	Investments

**GENERAL BUSINESS CONCENTRATION (18 HOURS)****Required course**

BUS 4480	(3)	Business Seminar
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**Electives**

Select five upper-level business electives (15 hours).

\*May select no more than three courses in a discipline.

**HUMAN RESOURCE MANAGEMENT CONCENTRATION (18 HOURS)**

Must take the following 4 HR/MGT courses:

HRM 4455	(3)	Employment Law
HRM 4481	(3)	Staffing
HRM 4483	(3)	Human Resource Development
HRM 4485	(3)	Performance Appraisal & Compensation

Choose two of the following five courses:

MGT 4472	(3)	Organizational Behavior
HRM 4473	(3)	Labor Law & Collective Bargaining
HRM 4482	(3)	Health/Safety/Diversity
HRM 4496	(3)	Selected Topics in HR

Choose an upper-level business course

**INFORMATION SYSTEMS CONCENTRATION (18 HOURS)****Required Classes (12 Hours):**

IS 3320	(3)	Data Communications & Networks
IS 3346	(3)	Database MGT Systems I
IS 3350	(3)	Business Programming



IS 4447 (3) Systems Analysis/Design

**Electives**

*Select two from the following list (6 Hours)*

IS 4440 (3) Knowledge MGT/BUS Intelligence  
 IS 4451 (3) Information Security, Assurance and Compliance  
 IS 4470 (3) Server-side Web Development  
 IS 4475 (3) Internet Technology Development

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**MANAGEMENT CONCENTRATION (18 HOURS)**

**Required Classes (12 Hours)**

MGT 3380 (3) Principles of Supervision  
 MGT 4472 (3) Organizational Behavior  
 MGT 4440 (3) Develop/Lead Effective Teams  
 MGT 4479 (3) Management Seminar

*Select two of the following five courses:*

MGT 4460 (3) Introduction to Project Management  
 MGT 4475 (3) Entrepreneurial Management  
 HRM 4481 (3) Staffing  
 HRM 4483 (3) Human Resource Development

*Select an upper-level business course.*

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**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**

*Select two of the following five courses:*

MKT 3362 (3) Promotion Management  
 MKT 4461 (3) Personal Selling  
 MKT 4463 (3) Retailing  
 MKT 4465 (3) Supply Chain Management

*Choose an upper-level business course*

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**RISK MANAGEMENT INSURANCE CONCENTRATION (18 HOURS)**

**Required courses (12) Hours**

RMI 3335 (3) Principles of Risk Management and Insurance  
 RMI 3346 (3) Life and Health Insurance  
 RMI 3348 (3) Property & Casualty Insurance  
 RMI 4442 (3) Insurance Operations

**Electives**

*Select 6 hours of upper-level RMI courses from the following:*

RMI 4430 (3) Surplus Lines Insurance Operations and Products  
 RMI 4425 (3) RMI Special Topics  
 RMI 4440 (3) Corporate Risk Management  
 RMI 4465 (3) Insurance Law  
 RMI 4478 (3) Employee Benefit Planning  
 RMI 4498 (3) Internship\*  
 RMI 4499 (3) London Study Abroad

*\*Only one internship course may be used as an RMI Concentration elective.*

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**INTERDISCIPLINARY GLOBAL BUSINESS CONCENTRATIONS**

Students interested in Environmental Science, Foreign Languages, and Legal Studies may use the current minors in their respective areas as a concentration under the Global Business Degree program and be a business major. All rules for business students applies to those students pursuing this option.

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**ENVIRONMENTAL SCIENCE CONCENTRATION (18 HOURS)**

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 4479 (3) Environmental Assessment  
 BIO L479 (1) Environmental Assessment Lab  
 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 (combined lecture and lab)  
 BIO 4491 (1-4) 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

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**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 Law and Criminal Procedure  
 CJ 3352 (3) Constitutional Law in Criminal Justice  
 CJ 4447 (3) Current Issues in Legal Systems Operation and Administration  
 CJ 4441 (3) Evidence  
 LAW 2221 (3) Legal Environment of Business  
 LAW 4420 (3) Administrative Law  
 POL 3342 (3) Judicial Branch  
 POL 4420 (3) Constitutional Law  
 POL 4472 (3) Administrative Law

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**SPANISH CONCENTRATION (18 HOURS)**

*Select 18 hours of Spanish courses.*

**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
<b>OR</b>		
ECO 3352	(3)	Intermediate Microeconomics

**Electives****Select three from the following list (9 Hours)**

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 & 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 (18 Hours)**

ENT 2200	(3)	Innovation and Creative Thinking
ENT 2210	(3)	Innovation by Design
ENT 3320	(3)	Product Concept Generation
ENT 3300	(3)	Product Development and Mentorship
ENT 4400	(3)	Business Plan Development
ENT 4480	(3)	Entrepreneurship Capstone

**GLOBAL GENERAL BUSINESS MINOR (18 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
IS 3310	(3)	Introduction to Information Systems and Data Analytics
HRM 3375	(3)	Global Human Resource Management
MGT 4471	(3)	Leadership and Change
MGT 4478	(3)	Managing in a Global Environment
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) \***

MGT 3300	(3)	Principles of Management
HRM 4455	(3)	Employment Law
HRM 3375	(3)	Global Human Resource Management
HRM 4481	(3)	Staffing
HRM 4485	(3)	Performance Appraisal & Compensation

*Select one of the following:*

HRM 4483	(3)	Human Resource Development
MGT 4471	(3)	Leadership and Change

\*Some Classes will be offered online.

**PROMOTION MINOR (18 HOURS)**

ACT 2291	(3)	Principles of Accounting I
ECO 2252	(3)	Principles of Microeconomics
LAW 2221	(3)	Legal Environment of Business
MKT 3300	(3)	Principles of Marketing
MKT 3362	(3)	Promotion Management
MKT 4461	(3)	Personal Selling

**Note for All Business Minors:**

In order to register for any Business Class above 3300 for your minor, you must contact the Associate Dean's Office of the College of Business in Bibb Graves at the Troy campus.

## COLLEGE OF COMMUNICATION AND FINE ARTS

The College of Communication and Fine Arts is comprised of six units: the Hall School of Journalism and Communication, the John M. Long School of Music, the Department of Art and Design, the Department of Theatre and Dance, the Department of English and the Department of Modern Languages and Classics. The mission of the college is to provide excellence in instruction in selected communication and fine arts disciplines along with practical experiences in communication and journalism, theatre, dance, music, visual arts, graphic design, English and foreign languages.

The college assumes 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 leaders; 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.

### GRAPHIC DESIGN (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)	Troy Orientation
ART 2208	(3)	Digital Tools
ART 1145	(3)	Foundations of Form and Space
ART 1150	(3)	Foundations of Time and Space
ART 2210	(3)	eDrawing (required for <<dti>> majors)
ART 2250	(3)	Survey of Art History I
ART 2251	(3)	Survey of Art History II

#### Core Courses (42 Hours)

ART 2230	(3)	Color and Technology
ART 3308	(3)	<<dti>> Principles of Digital Design
ART 3310	(3)	<<dti>> Time Based Media
ART 3315	(3)	<<dti>> Design for the Internet
ART 3324	(3)	<<dti>> Paper/Screen
ART 3325	(3)	<<dti>> 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)	<<dti>> Design for the Internet II
ART 4424	(3)	<<dti>> Design Studio*
ART 4499	(3)	Thesis Exhibition

Select six (6) credit hours of art electives.

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.

Select a Minor or an Interdisciplinary contract offering for Graphic Design program (18 hours)

Select a Contractual Plan from one of the following areas:

- Advertising Writing
- Multi-media Design\*\*

The mission of the college includes the creation of a climate within and beyond its institutional boundaries that encourages responsible, ethical, and informed expression within the disciplines of which it is composed. Troy University's College of Communication and Fine Arts is a primary provider of cultural events benefiting the citizens of Troy, Pike County, the region, and the state. Accordingly, the college offers such fine arts events as art exhibits; symphony band, jazz band, and choral concerts; and theatrical performances.

In addition, the college offers a variety of lectures, workshops, master classes, ensemble opportunities and camps for middle school, high school and college students throughout the state in art, theatre, dance, music and journalism. CCFA maintains strong community partnerships with the City of Troy, Johnson Cultural Arts Center, Troy Arts Council and the Wiregrass Museum of Art.

- 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.

\*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)	Troy Orientation
ART 1145	(3)	Foundations of Form and Space
ART 1150	(3)	Foundations of Time and Space
ART 2208	(3)	Digital Tools
ART 2201	(3)	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)	2D Studio I
ART 2204	(3)	3D Studio I
ART 2205	(3)	3D Studio II
ART 2206	(3)	2D Studio II
ART 2230	(3)	Color and Technology
ART 3301	(3)	Life Drawing
ART 3350	(3)	Research and Criticism
ART 3361	(3)	Integrating Art into the Curriculum

Select six 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 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)	Troy Orientation
ART 1145	(3)	Foundations of Form and Space
ART 1150	(3)	Foundations of Time and Space
ART 2208	(3)	Digital Tools
ART 2201	(3)	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)	Life Drawing*
<b>OR</b>		
ART 3318	(3)	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/Installation Design
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)	Prin of Digital Design
ART 3326	(3)	Digital Illustration
ART 3350	(3)	Research and Criticism
ART 3375	(3)	Special Topics*
ART 3380	(1-3)	Travel Study in Art/Photography
ART 4496	(3)	Internship*

Select an additional six hours of art electives.

\*Any course with asterisk (\*) can be repeated up to 6 credit hours.

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### ART MINOR (18 HOURS)

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Select 18 hours of art and art history courses. Nine (9) credit hours must be upper level.

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### ART HISTORY MINOR (18 HOURS)

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For Non-Art Majors

ART 2250	(3)	Survey of Art History I
ART 2251	(3)	Survey of Art History II
ART 3350	(3)	Research and Criticism

Select nine (9) credit hours of art history courses.

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### PHOTOGRAPHY MINOR (18 HOURS)

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ART 2255	(3)	History of Photography
ART 2228	(3)	Photo Studio Darkroom
ART 3328	(3)	Digital Photo Studio

Select nine (9) credit hours from the following:

ART 3310	(3)	Time Based Media
ART 3348	(3)	Intermediate Photo Studio
ART 3380	(1-3)	Travel Study in Art/Photography
ART 4428	(3)	Advanced Photo Studio
JRN 3300	(3)	Digital News Photography

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### ART, BACHELOR OF FINE ARTS IN STUDIO (60 HOURS)

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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)	Troy Orientation
ART 2208	(3)	Digital Tools
ART 1145	(3)	Foundations of Form and Space
ART 1150	(3)	Foundations of Time and Space
ART 2201	(3)	Introductory Drawing
ART 2250	(3)	Survey of Art History I
ART 2251	(3)	Survey of Art History II

Before completion of the core courses students must submit a portfolio for review and be accepted into the BFA program.

### Core Courses (36 hours)

ART 2202	(3)	2D Studio I
ART 2204	(3)	3D Studio I
ART 2205	(3)	3D Studio II
ART 2206	(3)	2D Studio II
ART 2230	(3)	Color and Technology
ART 3301	(3)	Life Drawing
ART 3318	(3)	Conceptual Drawing
ART 3328	(3)	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)	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)	2D Studio III
ART 4430	(3)	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 3330	(3)	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)	Photo Studio Darkroom
ART 2255	(3)	History of Photography
ART 3348	(3)	Intermediate Photo Studio
ART 4428	(3)	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)	eDrawing
ART 3308	(3)	Principle of Digital Design
ART 3310	(3)	Time Based Media

ART 3324	(3)	<<dti>>Paper/Screen
ART 3325	(3)	<dti>>Typography
ART 3355	(3)	Graphic Design History

**Select additional six (6) credit hours in an upper level art or art history.**

(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.*

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### BROADCAST JOURNALISM MAJOR (36 HOURS)

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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
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#### Area V Requirements

COM 1101	(3)	Introduction to Communication
JRN 1100	(3)	Technologies in Journalism
JRN 1102	(3)	Writing for the Mass Media
TROY 1101	(1)	University Orientation

#### Requirements for the major

COM 3320	(3)	Interviewing and Information
JRN 1103	(3)	Introduction to Radio and TV
JRN 2201	(3)	Reporting
JRN 3360	(3)	Broadcast News Writing
JRN 4403	(3)	Radio News Practicum
JRN 4413	(3)	TV News Practicum
JRN 4425	(3)	Multimedia Law
JRN 4440	(3)	Advanced Technologies in Journalism
JRN 4489	(5)	Internship
JRN 4495	(1)	Communication Seminar

**Select six hours of upper level ADJ, COM, JRN or PRJ.**

#### Accelerated Honors Requirements:

**COM 6605	(3)	Strategic Communication Theories
**COM 6610	(3)	Leadership and Media Strategies
**COM 6620	(3)	Contemporary Issues in Strategic Communication

*\*\*Registration for the above courses is restricted to undergraduate seniors (with at least a 3.4 GPA) who have been admitted to Strategic Communication Accelerated Honors Option, have completed at least 90 credit hours, and 18 hours of Broadcast Journalism, Multimedia Journalism, and/or Communication Studies courses. Students must also meet the requirements for the graduate program.*

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### COMMUNICATION ARTS MAJOR (36 HOURS)

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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
COM 2241	(3)	Fundamentals of Speech
JRN 1100	(3)	Technologies in Journalism
PRJ 2230	(3)	Introduction to Public Relations

#### OR

ADJ 2220	(3)	Introduction to Advertising
TROY 1101	(1)	University Orientation

#### Required Courses:

COM 2231	(3)	Interpersonal Communication
COM 3326	(3)	Conflict Management
COM 3328	(3)	International/Intercultural Communication

#### OR

COM 3380	(3)	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)	Rhetorical and Communication Theory
JRN 4440	(3)	Advanced Technologies in Journalism
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 foreign languages.**

#### Accelerated Honors Requirements:

**COM 6605	(3)	Strategic Communication Theories
**COM 6610	(3)	Leadership and Media Strategies
**COM 6620	(3)	Contemporary Issues in Strategic Communication

*\*\*Registration for the above courses is restricted to undergraduate seniors (with at least a 3.4 GPA) who have been admitted to Strategic Communication Accelerated Honors Option, have completed at least 90 credit hours, and 18 hours of Broadcast Journalism, Multimedia Journalism, and/or Communication Studies courses. Students must also meet the requirements for the graduate program.*

#### Theatre Track

Specialized general studies requirements for the Theatre track:

##### 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)	University Orientation
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	(3)	Fundamentals of Scenery and Lighting
THE 2272	(3)	Fundamentals of Costumes and Makeup
THE 3365	(3)	Fundamentals of Design for Theatre
THE 3300/3301	(3)	Fundamentals of Acting/Acting I
THE 3315	(1-3)	Performance and Production Practicum IV
THE 4415	(1-3)	Performance and Production Practicum V
THE 3350	(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)	Senior Theatre 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	(3)	Fundamentals of Scenery and Lighting
THE 2272	(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	(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	(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 & Instruction Delivery
EDU 3305	(3)	Teaching with Technology
SPE 3340	(3)	Diverse Learners
RED 4401	(3)	Reading in Content Areas
THE 4481	(3)	Methods & Materials
THE 3346	(3)	Educational Psychology & Classroom Assessment in Fine Arts
THE 4472	(9)	Internship in Grades P-12
IED 4454	(3)	Internship Seminar

**COMMUNICATION STUDIES MINOR (18 HOURS)**

*Select 18 hours of 3000 and/or 4000 level communication studies courses. COM 2241 or 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 for Dance:**

**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**

IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation
DAN 1112	(2)	Contemporary Technique I

DAN 1115	(2)	Ballet Technique I
DAN 1150	(1)	Creative Habit
DAN 2250	(2)	Music Fund for Theatre and Dance
DAN 2289	(1)	Dance Practicum I
THE 1115	(1-3)	Performance and Production Practicum I
THE 3304	(2)	Lighting Techniques

**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

**Level IV techniques courses required ONLY if students are placed:**

DAN 4412	(2)	Contemporary IV
DAN 4415	(2)	Ballet Technique IV

**Complete the following advanced dance courses:**

DAN 3340	(2)	Composition and Choreography I
DAN 3353	(3)	Anatomy and Alignment
DAN 3354	(2)	Improvisation
DAN 3389	(2)	Practicum II
DAN 4410	(3)	Dance History I
DAN 4411	(3)	Dance History II
DAN 4440	(3)	Composition and Choreography II
DAN 4480	(3)	Pedagogy
DAN 4489	(2)	Practicum III

**Complete the following theatre courses:**

THE 3301	(2)	Acting I
THE 3352	(2)	Sound Techniques
THE 3344	(3)	Lighting Design

**Select 6 hours from the following courses:**

DAN 1130	(1)	Social Dance for 21st Century
DAN 1134	(1)	Ballroom Dance
DAN 1137	(1)	Tap I
DAN 2214	(2)	Pointe Ballet Technique I
DAN 2232	(2)	Jazz II
DAN 2237	(1)	Tap II
DAN 3300	(2)	Musical Theatre Dance I
DAN 3314	(2)	Pointe Ballet II
THE 3316	(2)	Acting 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 I
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 4400	(1)	Repertory Dance Ensemble*

Repertory Dance Ensemble may count only **twice** toward the completion of the major.

**DANCE MINOR (18 HOURS)**

**Required:**

DAN 1112	(2)	Contemporary Technique or placement
DAN 1115	(2)	Ballet Technique I or placement
DAN 1115	(2)	Ballet Technique I or placement
DAN 4410	(3)	Dance History I

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 for the 21 <sup>st</sup> century
DAN 1134	(1)	Ballroom Dance

DAN 1137	(1)	Tap I
DAN 2212	(2)	Contemporary Technique II or Placement
DAN 2214	(2)	Pointe Ballet Technique I
DAN 2215	(2)	Ballet Technique-placement
DAN 2232	(2)	Jazz II
DAN 2237	(1)	Tap II
DAN 2250	(2)	Music Fund for Theatre and Dance
DAN 2289	(1)	Practicum I
DAN 3000	(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)	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)	Dance History II
DAN 4480	(3)	Pedagogy
DAN 4400	(1)	Repertory Ensemble may only count twice towards the completion of the minor.

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#### ENGLISH MAJOR (36 HOURS)

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**Area II Requirements**

ENG 2205	(3)	World Literature I
ENG 2206	(3)	World Literature II

**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
IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

**Major Requirements**

ENG 3341	(3)	Advanced Grammar I
ENG 4495	(3)	Senior Seminar

*Select an additional 30 hours of upper division courses, at least nine of which are at the 4000 level or above.*

**Professional Writing Emphasis:**

Students at the Montgomery Campus 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 & Professional Writing
ENG 3345	(3)	Technical and Professional Editing
ENG 3365	(3)	Advanced Technical and Professional Writing
ENG 3366	(3)	Professional Document Design
ENG 4488	(3)	Seminar in Professional Writing Portfolio Design
ENG 4490	(3)	Professional Writing Internship

**Select an additional four courses:**

ENG 3320	(3)	Introduction to Linguistics
ENG 3351	(3)	Creative Writing I
ENG 3352	(3)	Creative Writing II
ENG 4400	(3)	Selected Topics
ENG 4405	(3)	History of the English Language
ENG 4419	(3)	Advanced Writing

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#### ENGLISH MINOR (18 HOURS)

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ENG 3341	(3)	Advanced Grammar I
<b>Select one sequence:</b>		
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 1785

*Select an additional nine hours of upper division English courses.*

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#### ENGLISH MINOR, CREATIVE WRITING (18 HOURS)

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ENG 3351	(3)	Introduction to Creative Writing
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**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)	Forms and Theory of Fiction
ENG 4420	(3)	Selected Topics in Creative Writing
ENG 4427	(3)	Contemporary American Literature
ENG 4489	(3)	Internship

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#### ENGLISH MINOR, PROFESSIONAL WRITING EMPHASIS (18 HOURS)

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ENG 2260	(3)	Introduction to Technical and Professional Writing
ENG 3345	(3)	Technical and Professional Editing
ENG 3365	(3)	Advanced Technical and 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)	Creative Writing I
ENG 3352	(3)	Creative Writing II
ENG 4400	(3)	Selected Topics
ENG 4405	(3)	History of the English Language
ENG 4419	(3)	Advanced Writing
ENG 4488	(3)	Seminar in Professional Writing Portfolio Design
ENG 4490	(3)	Professional Writing Internship

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#### ENGLISH—LANGUAGE ARTS PROGRAM (139 HOURS)

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*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

**Select one of the following:**

ART 1133	(3)	Visual Arts
MUS 1131	(3)	Music Appreciation

**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
IS 2241	(3)	Computer Concepts and Apps.
COM 1101	(3)	Introduction to Communication
TROY 1101	(1)	University Orientation

**Required Courses for Language Arts:**

COM 3342	(3)	Argumentation and Debate
COM 4441	(2)	Oral Interpretation
THE 2211	(1)	Theatre for Youth
THE 2245	(1)	Stagecraft Lab
THE 3301	(2)	Acting I
THE 4451	(3)	Directing I
ENG 3341	(3)	Advanced Grammar I
ENG 3371	(3)	Literature for Young Adults
ENG 4405	(3)	History of the English Language
ENG 4478	(3)	Theory and Practice of Composition Writing and Learning Across the Curriculum
JRN 3326	(3)	Advising Student Publications

**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.**

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**TESOL (TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES) MINOR (18 HOURS)**


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**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
ENG 3385	(3)	Foundations of Second Language Acquisition
ENG 4466	(3)	Advanced Grammar II
ENG 4470	(3)	Practicum and Assessments

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**MULTIMEDIA JOURNALISM MAJOR (36 HOURS)**


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**Area II Requirements**

COM 2241	(3)	Fundamentals of Speech
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**Area V Requirements**

COM 1101	(3)	Introduction to Communication
JRN 1100	(3)	Technologies in Journalism
JRN 1102	(3)	Writing for the Mass Media
TROY 1101	(1)	University Orientation

**Requirements for the major**

COM 3320	(3)	Interviewing and Information
JRN 2201	(3)	Reporting
JRN 2211	(3)	Editing
JRN 3312	(3)	Advanced Editing
JRN 3315	(3)	Advanced Reporting
JRN 3360	(3)	Broadcast News Writing
JRN 4425	(3)	Multimedia Law
JRN 4440	(3)	Advanced Technologies in Journalism
JRN 4489	(5)	Internship
JRN 4495	(1)	Communication Seminar

Select six hours of upper level advertising, Communication Studies, Journalism, or Public Relations courses.

**Accelerated Honors Requirements:**

**COM 6605	(3)	Strategic Communication Theories
**COM 6610	(3)	Leadership and Media Strategies
**COM 6620	(3)	Contemporary Issues in Strategic

## Communication

**\*\*Registration for the above courses is restricted to undergraduate seniors (with at least a 3.4 GPA) who have been admitted to Strategic Communication Accelerated Honors Option, have completed at least 90 credit hours, and 18 hours of Broadcast Journalism, Multimedia Journalism, and/or Communication Studies courses. Students must also meet the requirements for the graduate program.**

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**ADVERTISING MEDIA MINOR (18 HOURS)**


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JRN 1102	(3)	Writing for the Mass Media
<b>OR</b>		
PRJ 3375	(3)	Public Relations Writing

ADJ 2220	(3)	Introduction to Advertising
ADJ 3350	(3)	Advertising Sales
ADJ 3322	(3)	Advertising Copywriting
ADJ 4451	(3)	Advertising Media Planning

Select an additional 3 hours of 3000 and/or 4000 level course in Advertising, Communications, Journalism, or Public Relations.

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**CLASSICS MINOR (18 HOURS)**


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CLA 2260	(3)	Classical Mythology
CLA 3311	(3)	Civilization of Greece
CLA 3312	(3)	Civilization of Rome

Note: If CLA 2260 is taken to fulfill general studies requirements, an additional course must be elected below.

Select nine or 12 hours of electives:

CLA 3330	(3)	Classical Epic
CLA 3350	(3)	Classical Drama
CLA 4400	(3)	Special Topics in Classics
LAT	(3)	Approved Latin course(s)
GRK	(3)	Approved Greek course(s)

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**GRAPHIC DESIGN MINOR (18 HOURS)**


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ART 1145	(3)	Foundations of Form and Space
ART 1150	(3)	Foundations of Time and Space
ART 2230	(3)	Color and Technology
ART 3308	(3)	Principles of Digital Design

Select two courses from the following:

ART 3310	(3)	Time/Sound
ART 3315	(3)	Design for the Internet
ART 3324	(3)	Paper/Screen
ART 4424	(3)	Design Studio

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**HUMANITIES MINOR (18 HOURS)**


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Select 18 hours from three of the five areas.

No more than 9 hours may be elected in any one area.

**I. 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 1
MUS 2251	(3)	Survey of Western Music History II
THE 4443	(3)	Theatre History I
THE 4444	(3)	Theatre History II

**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



**III. 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.*

**IV. Language and Literature**

Approved language courses with a humanities focus and literature courses in all languages.

**V. Travel and Study**

*Approved travel study courses with a humanities focus.*

**MULTIMEDIA JOURNALISM MINOR (18 HOURS)**

Required Courses (6 Hours)

JRN 1102	(3)	Writing for the Mass Media
JRN 2201	(3)	Reporting
JRN 3360	(3)	Broadcast News Writing

*Select 9 hours of 3000 and/or 4000 level courses in Advertising, Communication, Journalism or Public Relations.*

*Note: Broadcast Journalism Majors may not minor in Multimedia Journalism.*

**PUBLIC INFORMATION MINOR (18 HOURS)**

COM 3341	(3)	American Public Address
COM 4460	(3)	Crisis Communication
PRJ 2230	(3)	Introduction to Public Relations
PRJ 3321	(3)	Public Relations Cases and Strategies

*Select at least 6 hours of additional 3000-4000 courses as approved by your faculty adviser:*

*Advertising, Communications, Journalism, or Public Relations courses.*

**PUBLIC RELATIONS MINOR (18 HOURS)**

ADJ 3322	(3)	Advertising Copywriting
PRJ 2230	(3)	Introduction to Public Relations
PRJ 3321	(3)	Public Relations Cases and Strategies
PRJ 4419	(3)	Advanced PR Tactics
PRJ 4423	(3)	PR Campaigns

*Select at least 3 hours of additional courses in Advertising, Communication Studies, Journalism, or Public Relations.*

*Non-journalism majors are required to take PRJ 3375*

**SPORTS INFORMATION MINOR (18 HOURS)**

HSTM 2255	(3)	Introduction to Hospitality, Sport and Tourism Management
PRJ 2230	(3)	Introduction to Public Relations
PRJ 3321	(3)	Public Relations Cases and Strategies
JRN 3327	(3)	Sports Broadcasting
JRN 4427	(3)	Sports Reporting
JRN 4460	(3)	Network Sports Production

**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
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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	(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).

The Bachelor of Arts degree requires that **12 hours** of one foreign language (classical or modern) 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 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 the 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 and Maintenance
MUI 3360	(2)	Audio Principles and Techniques II
MUI 4410	(2)	Arts Management and Concert Prod
MUI 4420	(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 4491/92	(1-3)	Guided Independent Research
MUS 4493/94	(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
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 Ensemble
MUS 4436	(1)	Vocal Jazz Ensemble

All Bachelor of Science in Music – Music Industry 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 & 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 Exceptional Learner
RED 4401	(3)	Reading in the Content Area
MUS 4481	(3)	Methods & 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 & 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 Ensemble
MUS 3387	(1)	Concert Chorale
MUS 4436	(1)	Vocal Jazz Ensemble

**\*Choral Emphasis Track**

MUS 1183	(1)	Collegiate Singers – repeat for a total of <b>seven</b> credits
MUS 3340	(1)	Diction for Singers
MUS 3341	(1)	Vocal Pedagogy
MUS 3360	(1)	Wind & Percussion Methods
MUS 3354	(1)	Class Strings
MUS 2214/2216	(1)	Private Piano or Voice
MUS 3382	(3)	Choral Techniques

**\*Instrumental Emphasis Track**

MUS 1181	(1)	Band – repeat for a total of <b>seven</b> 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 MINOR (18 HOURS)**

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, 1183, 3385, 3386, 3387.*

**MUSIC INDUSTRY MINOR (18 HOURS)**

**All MUI Minors will successfully complete the following courses before enrolling in any MUI electives:**

MUI 2230	(3)	Survey of the 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
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 and Maintenance
MUI 3360	(2)	Audio Principles and Techniques II
MUI 4410	(2)	Arts Management and Concert Prod
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 4491/92	(1-3)	Guided Independent Research
MUS 4493/94	(1-3)	Guided Independent Study

**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.*

**MUSIC, CHORAL EDUCATION**

*See Choral Emphasis Track under the Music Major.*

**MUSIC, INSTRUMENTAL EDUCATION**

*See Instrumental Emphasis Track under the Music Major.*

**SPANISH MAJOR (36 HOURS)**

SPN 2241	(3)	Intermediate Spanish I
SPN 2242	(3)	Intermediate Spanish II
SPN 3332	(3)	Advanced Spanish I
SPN 3333	(3)	Advanced Spanish II
SPN 3350	(3)	Spanish Culture on Location I
SPN 4448	(3)	Spanish Literature I
SPN 4449	(3)	Spanish Literature II
SPN 4451	(3)	Spanish Culture and Civilization I
SPN 4452	(3)	Spanish Culture and Civilization II

**Select three upper-level Spanish courses**

*All Spanish Majors are required to take during the senior year a departmental exit exam and the Oral Proficiency Interview of the American Council on the Teaching of Foreign Languages.*

**SPANISH MINOR (18 HOURS)**

Select 18 hours of Spanish courses.

**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 for Theatre Education:**

**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)	University Orientation
THE 1115	(1-3)	Performance and Production Practicum I
THE 1150	(1)	Creative Habit
THE 1160	(1)	Audition & 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	(3)	Fundamentals of Scenery and Lighting
THE 2272	(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	(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	(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 & Instruction Delivery
EDU 3305	(3)	Teaching with Technology
SPE 3340	(3)	Diverse Learners
RED 4401	(3)	Reading in Content Areas
THE 4481	(3)	Methods & Materials
THE 3346	(3)	Educational Psychology & Classroom Assessment in Fine Arts
THE 4472	(9)	Internship in Grades P-12
IED 4454	(3)	Internship Seminar

**THEATRE MINOR (18 HOURS)**

COM 4441	(2)	Oral Interpretation
THE 2221	(2)	Technical Theatre
THE 2245	(1)	Stagecraft Lab (repeat for a total of four hours)
THE 3301	(2)	Acting I

*NOTE: A four-semester rotation of THE 2245 is required of all minors with one semester in each of the four shops: scenery, lighting and sound, costume, marketing/business.*

*Select eight hours from approved speech communication or dramatic arts courses.*

## COLLEGE OF EDUCATION

The mission of Troy University's College of Education 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. 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 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 regularly evaluates student learning outcomes for each degree program.

### UNDERGRADUATE EDUCATION PROGRAM AVAILABILITY

	Dothan	Montgomery	Phenix City	Troy	TROY Online
<b>Non-certification Programs</b>					
Interpreter Training					
• Major (36 hours)				X	X
• Minor (18 hours)				X	X
Psychology					
• Major (36 hours)	X	X	X	X	X
• Minor (18 hours)	X	X	X	X	X
Rehabilitation					
• Major (45 hours)	X		X	X	
• Minor (18 hours)	X		X	X	
<b>Certification Programs</b>					
Early Childhood Education (P-3) (123 hours)	X		X		
Elementary Education (Grades K-6) (121 hours)	X		X	X	
Collaborative / Special Education Teacher (Grades K-6) (122 hours)	X		X	X	
Collaborative / Special Education Teacher (Grades 6-12) (121 hours)	X		X	X	
Secondary Education (Grades 6-12)					
• Biology (141 hours)	X			X	
• Chemistry (130 hours)	X			X	
• Health (124 hours)				X	
• History (126 hours)	X			X	
• English/Language Arts (135 hours)	X			X	
• Comprehensive General Science (144 hours)	X			X	
• Mathematics (123 hours)	X			X	
• Social Science (126 hours)	X			X	

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**UNDERGRADUATE EDUCATION PROGRAM AVAILABILITY**


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Interdisciplinary Education (Grades P-12)	Dothan	Montgomery	Phenix	Troy	TROY Online
• Visual Arts (135 hours)				X	
• Music, Instrumental (127 hours)				X	
• Music, Choral (127 hours)				X	
• Physical Education (124 hours)				X	
• Theatre (132 hours)				X	

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**NON-CERTIFICATION PROGRAMS**


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**INTERPRETER TRAINING**

*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 course work;
- 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.

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**INTERPRETER TRAINING PROGRAM**


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**Specialized General Studies Requirements****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**

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  
 IS 2241 (3) Computer Concepts and Applications  
 TROY 1101 (1) Orientation

**Electives**

ASL 2210 (3) Deaf Culture and Community  
 ASL 2250 (3) Advanced American Sign Language  
 ASL 2252 (3) American Sign Language Fingerspelling

**Required Courses**

ITP 2200 (3) Introduction to Interpreting: Professional Identity and Ethical Considerations  
 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/Transliteration  
 ITP 3366 (3) Discourse Analysis I  
 ITP 3368 (3) Interpreting in Specialized Setting  
 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 Experience  
 ITP 4463 (3) Practicum II: Seminar and Field Experience  
 ITP 4465 (6) Internship: Educational Interpreting  
 ITP 4466 (6) Internship: Community Interpreting

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**AMERICAN SIGN LANGUAGE MINOR (18 HOURS)**


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ITP 2200 (3) Introduction to Interpreting: Professional Identity and Ethical Considerations  
 ASL 2210 (3) Deaf Culture and Community  
 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

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**MASTER MENTOR PROGRAM**


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*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.

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  
 ITP 4470 (3) Interpreting Mentorship IV: Sign Language/English Interpreting

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**REHABILITATION**


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The baccalaureate rehabilitation major is accredited by the Registry of Undergraduate Programs by the Council on Rehabilitation Education. The purpose of the undergraduate rehabilitation 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 12-credit-hour field practicum is required (minimum of 500 clock hours).

**REHABILITATION AND DISABILITY STUDIES  
MAJOR**

**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.*

**Progression in Rehabilitation**

- a. 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.

**Rehabilitation Program Requirements (33 Hours)**

- HS 2240 (3) Ethics
- SWK/HS/RHB 3375 (3) Diversity**
- OR**
- PSY 3315 (3) Cultural and Diversity Psychology**
- 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 (3 hours):*
- RHB 4421 (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) Applied Behavior Analysis
  - ASL 2210 (3) Deaf Culture and Community
  - 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 4422 (3) Rehabilitation Practicum III\*

\*120-hour field experience. This could be completed at the same site as Practicum I, or at a separate site.

*Complete one of the following recommended minors or an advisor approved minor (18 hours): Applied Behavioral Analysis, Case Management, Criminal Justice, Exercise Science, Health Promotion, Interpreter Training, Leadership Development, Military Operations, Recreation, Spanish, Contract Medical Minor.*

**REHABILITATION MINOR (18 HOURS)**

- 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) Applied Behavior Analysis

**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.

Other possible ways to earn credit toward the degree:

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; 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.)**

**Academic Core (30 hours)**

- 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

ADE 4410	(3)	Learning Professional Education Communication (Student Counseling)
ADE 4420	(3)	History and Development of the Workforce
COM 2231	(3)	Interpersonal Communications
EAL 3301	(3)	Education Leadership and Motivation in Adult Learning
EAL 4401	(3)	Problem Solving and Decision Making

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.
- 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.

#### **TROY UNIVERSITY BSOE Accelerated Bachelor to Master Program**

TROY permits students in select bachelors' programs to earn credit towards a masters' degree in a similar area. This would be true also for the BSOE. Troy will award credit to BSOE graduates for the following course in its Masters of Adult Education degree program:

- ADE 6653: Educational Evaluation  
ADE 6670: Adult Learning and Development  
ADE 6674: Methods and Strategies for Teaching Adults

#### **PSYCHOLOGY**

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.

#### **PSYCHOLOGY MAJOR**

##### **Specialized General Studies Requirements**

##### **Area IV**

##### **Required (6 hours)**

PSY 2200	(3)	Introduction to Psychology
PSY 2210	(3)	Developmental Psychology

**Electives (18 hours)**—Students must choose an additional 18 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 – 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

##### **Group 2 (Select 2 Courses – 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

##### **Group 3 (Select 2 Courses – 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)	Applied Behavior Analysis

##### **Group 4 (Select 2 Courses – 6 hours)**

Select any 2 psychology courses not completed in another area.

#### **PSYCHOLOGY MINOR (18 HOURS)**

Students may select any 6 (18 hours) PSY courses. PSY 2230 is a prerequisite for some upper level PSY courses.

#### **PSYCHOLOGICAL RESEARCH MINOR (18 HOURS)**

##### **Required Courses**

PSY 3301	(3)	Basic Statistics
PSY 3309	(3)	Advanced Statistics
PSY 3311	(3)	Research Methods
PSY 3316	(3)	Mixed Methods Research
PSY 3317	(3)	Ethics in Research and Practice
PSY 4405	(3)	Experimental Psychology

#### **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 Education
PSY 4435	(3)	Treatment of Addictive Family Diseases



- PSY 4436 (3) Treatment Theories and Modalities of Addictive Diseases

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**APPLIED BEHAVIOR ANALYSIS MINOR  
(18 HOURS)**

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- PSY 3340 (3) Psychology of Learning  
 PSY 4459 (3) Applied Behavior Analysis  
 PSY 4474 (3) Evaluation of Research for the Behavioral Treatment of Individuals with Autism and Developmental Delays  
 PSY 4477 (3) Behavioral Assessment of Individuals with Autism and Developmental Delays  
 PSY 4476 (3) Behavioral Treatment of Individuals with Autism and Developmental Delays  
 PSY 4478 (3) The Behavioral Analyst as a Professional and Ethical Practitioner

*Students seeking experience based practicum are encouraged to take the two practicum courses. See advisor for information regarding national credentials in Applied Behavior Analysis. Practicum experiences will be required for application for national credentials.*

- PSY 4496 (3) Applied Behavior Analysis Practicum I  
 PSY 4497 (3) Applied Behavior Analysis Practicum II

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**LEADERSHIP DEVELOPMENT MINOR (18 HOURS)**

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- 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) Air Force Leadership Studies I  
 AS 3313 (3) Air Force Leadership Studies II  
 COM 3345 (3) Group Discussion and Leadership  
 LDR 2210 (3) Leadership and Interpersonal Skills  
 LDR 2220 (3) Contemporary Issues of Women and Leadership  
 LDR 3320 (3) Great Leaders  
 LDR 4444 (3-6) Leadership Internship  
 LDR 4450 (1-6) Leadership Service Learning  
 LDR 4493-94 (1-3) Guided Independent Study  
 MGT 3300 (3) Principles of Management  
 MSL 2201 (2) Individual Leadership Studies  
 MSL 2202 (2) Leadership and Teamwork  
 MSL 2204 (2) Leadership Lab  
 PHI 2204 (3) Ethics and the Modern World  
 POL 3340 (3) U.S. Government – Executive Branch

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**EDUCATIONAL STUDIES MINOR (18 HOURS)**

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- 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) Diverse Learners

**Pick one of the two:**

- MTH 2251 (3) Mathematical Concepts for K-6 Teachers I  
 MTH 2252 (3) Mathematical Concepts for K-6 Teachers II

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**CERTIFICATION PROGRAMS**

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**Teacher Certification**

Please see the list of certification programs offered at Troy University at the beginning of the College of Education (COE)

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 COE 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
- Successful completion of the Praxis II examinations in content area, Praxis II Reading (if applicable) and Praxis II PLT (if applicable).
- Successful completion of the required Alabama Department of Education Praxis Core examination.
- 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 supercede a student's stated program requirements. Candidates should consult their education adviser 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, 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, 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;

- 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 adviser 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), and SPE 3340 (or check-sheet approved discipline-specific diverse learners course), 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 adviser 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:

- Completion of 48 semester hours 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.
- 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.
- A minimum grade point average of 2.75 overall, 2.75 in professional studies, and 2.75 in teaching field(s). Students who fail to meet the required GPA may repeat courses. The university academic policy will be applied in calculating grade point averages. Cohorts admitted to TEP must have an average GPA of 3.0.
  - Meeting minimum GPA requirements does not guarantee TEP admission.
  - MTH 2251 & MTH 2252 are in the Teaching Field for Elementary, Collaborative K-6, and Collaborative 6-12 majors.
- Successful completion of the required Alabama Department of Education Praxis Core test.

- Successful completion of an interview.
- Completion of a minimum of 12 clock hours of classroom observation/participation.
- Evidence of successful background and fingerprint check.
- Evidence of current professional liability coverage of established amount.

### 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:

- Admission to the Teacher Education Program (TEP).
- A GPA of 2.75 overall on all coursework attempted.
- A GPA of 2.75 in all professional studies coursework attempted.
- A GPA of 2.75 in all teaching field coursework attempted.
- Satisfactory disposition reviews.
- Completion of all coursework except for Internship Seminar, which is taken in conjunction with internship.
- Completion of all professional studies and teaching field courses with a grade of C or better.
- Evidence of current First Aid and CPR certifications.
- Successful completion of the required Alabama Department of Education Basic Skills Test.
- Students are required to successfully complete the required PRAXIS II test(s) associated with their major and successfully complete internship.
- Evidence of current professional liability coverage.
- 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) (123 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 (61 Hours)

##### Area V Requirements (17 Hours)

IS 2241	(3)	Computer Concepts and Applications
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)	University Orientation

#### Education Major (Professional Studies 33 Hours)

EDU 3303	(3)	Educational Psychology & Classroom
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		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
ECE 4474	(9)	Early Childhood Internship
SPE 3340	(3)	Diverse Learners
ECE 4454	(3)	Internship Seminar

**Teaching Field (32 Hours)**

ECE 3315	(3)	Assessment in ECE
ECE 3340	(3)	Language Acquisition
ECE 3325	(3)	Child Growth & Development
ECE 3385	(3)	Primary Math & Science
ECE 3391	(3)	Social Studies: Community & Family
ECE 4401	(3)	Integrated Program
RED 3310	(3)	Language & Literacy K-6
RED L310	(1)	Language and Literacy Lab
RED 3380	(3)	Children's Literature
RED 4483	(3)	Reading Intervention Strategies
RED L483	(1)	Reading Intervention Strategies Lab
SPE 4407	(3)	Inclusive Strategies

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**ELEMENTARY EDUCATION (K-6)  
(121 HOURS)**


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**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 (60 Hours)****Area V Requirements (20 Hours)**

IS 2241	(3)	Computer Concepts and Applications
KHP 2251	(3)	Foundations of Physical Education & Health
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)	University Orientation

**Education Major (Professional Studies 33 Hours)**

EDU 3303	(3)	Educational Psychology & 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
ELE 4474	(9)	Internship
RED 4401	(3)	Reading in the Content Areas
SPE 3340	(3)	Diverse Learners
ELE 4454	(3)	Internship Seminar

**Teaching Field (33 Hours)**

EDU 3308	(3)	Integrated STEM
EDU L308	(1)	Integrated STEM Lab
ELE 3360	(3)	Teaching Social Science
ELE L360	(1)	Teaching Social Science Lab
ELE 3361	(3)	Teaching Natural Science
ELE L361	(1)	Teaching Natural Science Lab
ELE 3362	(3)	Teaching Mathematics
ELE L362	(1)	Teaching Mathematics Lab
MTH 2251	(3)	Mathematical Concepts for Teachers I
MTH 2252	(3)	Mathematical Concepts for Teachers II
RED 3310	(3)	Language and Literacy K-6
RED L310	(1)	Language and Literacy Lab
RED 4483	(3)	Reading Intervention Strategies

RED L483	(1)	Reading Intervention Strategies Lab
SPE 4407	(3)	Inclusive Strategies

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**COLLABORATIVE / SPECIAL EDUCATION  
TEACHER (K-6) (122 HOURS)**


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**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**

IS 2241	(3)	Computer Concepts and Applications
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)	University Orientation
KHP 2251	(3)	Foundations of Physical Education and Health

**Education Major (Professional Studies) (33 Hours)**

EDU 3303	(3)	Educational Psychology & Assessment
EDU 3305	(3)	Teaching with Technology
EDU 3310	(3)	Introduction to Education
EDU 4400	(3)	Classroom Management
RED 4401	(3)	Reading in the Content Areas
EDU 4471	(3)	Curriculum and Instructional Delivery
SPE 3340	(3)	Diverse Learners
SPE 4454	(3)	Internship Seminar
SPE 4474	(9)	Collaborative Teacher K-6 Internship

**Teaching Field (34 Hours)**

EDU 3308	(3)	Integrated STEM
EDU L308	(1)	Integrated STEM Lab
ELE 3362	(3)	Teaching Mathematics
ELE L362	(1)	Teaching Mathematics Lab
MTH 2251	(3)	Math Concepts for K-6 Teachers I
MTH 2252	(3)	Math Concepts for K-6 Teachers II
RED 3310	(3)	Language and Literacy
RED L310	(1)	Language and Literacy Lab
RED 4483	(3)	Reading Intervention Strategies
RED L483	(1)	Reading Intervention Strategies Lab
SPE 3301	(3)	Advanced Introduction to Disabilities
SPE 3306	(3)	Teaching Students with Mild Disabilities
SPE 3309	(3)	Teaching Students with Mod/Severe Disabilities
SPE 4407	(3)	Inclusive Strategies

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**COLLABORATIVE / SPECIAL EDUCATION  
TEACHER (6-12) (121 HOURS)**


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**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**

IS 2241	(3)	Computer Concepts and Applications
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)	University Orientation
KHP 2251	(3)	Foundations of Physical Education and Health

## Health

**Education Major Professional Studies (33 Hours)**

EDU 3303	(3)	Educational Psychology & 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
RED 4401	(3)	Reading in the Content Areas
SPE 3340	(3)	Diverse Learners
SPE 4454	(3)	Internship Seminar
SPE 4465	(9)	Collaborative Teacher (6-12) Internship

**Teaching Field (33 Hours)**

EDU 3308	(3)	Integrated STEM
EDU L308	(1)	Integrated STEM Lab
ELE 3362	(3)	Teaching Mathematics
ELE L362	(1)	Teaching Mathematics Lab
MTH 2251	(3)	Mathematical Concepts for K-6 Teachers I
MTH 2252	(3)	Mathematical Concepts for K-6 Teachers II
RED 4483	(3)	Reading Intervention Strategies
RED L483	(1)	Reading Intervention Strategies Lab
SPE 3301	(3)	Advanced Introduction to Disabilities
SPE 3305	(3)	Transition Planning
SPE 3306	(3)	Teaching Students with Mild Disabilities
SPE 3309	(3)	Teaching Students with Mod/Severe Disabilities
SPE 4407	(3)	Inclusive Strategies

**SECONDARY EDUCATION (6-12)****Specialized General Studies Requirements**

See the General Studies section of this catalog for additional information. See discipline specific major for specialized General Studies 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)	Diverse Learners or discipline specific course
EDU 3303	(3)	Educational Psychology and 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
RED 4401	(3)	Reading in the Content Areas
SED 4454	(3)	Internship Seminar for Secondary See adviser 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
- Health
- History
- Mathematics
- Social Science

**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 and Assessment in Fine Arts
RED 4401	(3)	Reading in the Content Areas
MUS 4460	(3)	Music for the Exceptional 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 (3-4)

**Physical Education Majors:**

EDU 3310	(3)	Introduction to Education
KHP 4465	(3)	Classroom Management and Organization for HPE
EDU 4471	(3)	Curriculum and Instructional Delivery
KHP 3391	(3)	Testing and Statistical Interpretation
RED 4401	(3)	Reading in the Content Areas
KHP 4462	(3)	Physical Education for Exceptional Children
EDU 3305	(3)	Teaching with Technology
KHP 4472	(9)	Internship in Health/Physical Education
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 Psychology and Assessment in Fine Arts
RED 4401	(3)	Reading in the Content Areas
SPE 3340	(3)	Diverse Learners
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

**Theater Education Majors:**

EDU 3310	(3)	Introduction to Education
EDU 4400	(3)	Classroom Management
EDU 4471	(3)	Curriculum and Instructional Delivery
THE 3346	(3)	Educational Psychology and Assessment in Fine Arts
RED 4401	(3)	Reading in the Content Areas
SPE 3340	(3)	Diverse Learners
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 Theater Teacher

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

## COLLEGE OF HEALTH AND HUMAN SERVICES

*The College of Health and Human Services 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 and Human Services are the School of Nursing, the School of Hospitality, Sport and Tourism Management, the Department of Human Services, the Department of Kinesiology and Health Promotion, and the Department of Athletic Training Education Program.*

*The college is committed to meeting the challenges of the next decade; hence, it emphasizes quality teaching and values scholar-*

*ly 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 and Human Services regularly evaluates student learning outcomes for each degree program.*

### **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.

The School of Hospitality, Sport and Tourism Management prepares students for a variety of positions in the hospitality, sport and tourism industries. The goal of the faculty and School is to create an integrated academic learning environment for analyzing and resolving the challenges in the deliverance and business of hospitality, sport and tourism. The faculty and staff are committed to providing support for student achievement. Students can enter the hospitality, sport and tourism industries with exceptional knowledge, professional preparation, and the confidence to assume leadership positions.

The School of Hospitality, Sport and Tourism Management offers three undergraduate concentrations: (1) Hospitality Management, (2) Sport Management, and (3) Tourism Management. The focus of the undergraduate program is to provide a comprehensive educational experience and to train students for entry into the sport management, leisure services, and/or tourism and hospitality occupations at the professional level.

Hospitality Management is the study of all people, activities, businesses, and/or organizations involved in providing service to support the restaurant, accommodation and/or event industries. Students graduating with a concentration in hospitality are prepared for careers in hotels, restaurants, resorts, conference centers, event management, casinos, retail, club management, entertainment, and other hospitality-related businesses.

Sport Management is the “study and practice of all people, activities, businesses, or organizations involved in producing, facilitating, promoting, or organizing any sport-related business or product” (Pitts and Stotlar, 2007). Students graduating with a concentration in sport are prepared for careers in interscholastic, intercollegiate, professional, and recreational sport as well as careers in event management, retail, sales, and other sport-related business.

Tourism Management is the study of all people, activities, businesses, organizations, and destinations involved in providing

products and services to individuals traveling to and staying in places outside their usual environment for leisure and/or business. Students graduating with a concentration in tourism are prepared for careers in convention and visitors’ bureaus, resorts, destination marketing organizations, government tourism departments, conference centers, event management, theme parks, historic sites, nature-based tourism and other tourism-related businesses.

### **Department of Human Services and Social Work**

#### **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 three-credit, 120-clock-hour field 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 professional roles. A 12-credit-hour field practicum is required (minimum of 400 clock hours).

### **Department of Kinesiology and Health Promotion**

One of the oldest departments on campus, Kinesiology and Health Promotion consists of four undergraduate degree options and boasts more than 500 majors in the department. These degree options include Athletic Training, Exercise Science, Health Education, & Physical Education.

## Exercise Science

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 science 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.

## Health Education

The Bachelor of Science degree in health education (Teaching Certification) prepares teachers to impact 6<sup>th</sup> – 12<sup>th</sup> grade students through concepts of nutrition, exercise, rest, disease prevention, and safety. Prospective health teachers will learn innovative classroom teaching strategies using the latest technology for instructional delivery. Through this preparation the health education graduate will be highly prepared to meet the challenges of growing health concerns across our nation by educating our youth.

## Physical Education

If you are passionate about teaching others the skills necessary to participate in health enhancing sport and physical activity for life, the Bachelor of Science in physical education (Teaching Certification) at Troy is for you. This program prepares preschool – 12<sup>th</sup> grade teachers to impact students in team, individual, and lifetime sport skills in order to enhance their quality of life beyond their 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 the student to learn and participate in a wide variety of physical activities, 3. By doing so the student will find something they enjoy and are successful at and will continue to do this throughout life in order to lead a healthy active lifestyle.

Many of our graduates in health and physical education choose to double major. This is highly recommended by our department to provide more opportunities for our graduates. It is for this reason our department has such a high job placement rate. Troy University has set itself apart from many other programs (at other Universities throughout the state and southeast) by offering both majors and the option to double major. A mere 18 hours extra (one more semester) can provide the graduate with two degrees and prepare them for dual certification in physical education and health education making them more marketable than a graduate with only one of the aforementioned degrees.

## 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, and the ASN, BSN, MSN and DNP programs are accredited by the Accreditation Commission for Education in Nursing (ACEN) (3343 Peachtree Rd. NE, Suite 850, Atlanta, Ga., 30326, 404-975-5000) and approved by the Alabama Board of Nursing. Degree programs are offered at the associate (ASN), baccalaureate (BSN), master's (MSN) and doctoral (DNP) levels. Mobility options are available for registered nurses seeking to earn a bachelor's, master's or doctoral degree in nursing. For more information, visit the School of Nursing website at [www.troy.edu](http://www.troy.edu).

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 may receive 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 must 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 laboratory fees. These fees are printed in the schedule of classes.

Admission is competitive. All students who meet minimum requirements may not be admitted.

## APPLIED HEALTH SCIENCES PROGRAM (121 HOURS)

### General Education Requirements

#### Area I

- |          |     |                                   |
|----------|-----|-----------------------------------|
| ENG 1101 | (3) | Composition and Modern English I  |
| ENG 1102 | (3) | Composition and Modern English II |

#### Area II

- ENG Literature Course (3)  
 ENG Literature Course (3)  
 Fine Arts Requirement (3)  
*Select one of the following:*  
*REL 2280, PHI 2203, or PHI 2204.*

### Specialized General Requirements

#### Area III

- |          |     |                           |
|----------|-----|---------------------------|
| BIO 1100 | (3) | Principles of Biology     |
| BIO L100 | (1) | Principles of Biology Lab |
| MTH 1110 | (3) | Finite Mathematics        |

#### OR

- |          |     |                      |
|----------|-----|----------------------|
| MTH 1112 | (3) | Pre-Calculus Algebra |
| CHM 1142 | (3) | General Chemistry I  |

#### AND

- |          |     |                         |
|----------|-----|-------------------------|
| CHM L142 | (1) | General Chemistry Lab I |
|----------|-----|-------------------------|

#### OR

- |          |     |                     |
|----------|-----|---------------------|
| CHM 1115 | (3) | Survey of Chemistry |
|----------|-----|---------------------|

#### AND

- |          |     |                         |
|----------|-----|-------------------------|
| CHM L115 | (1) | Survey of Chemistry Lab |
|----------|-----|-------------------------|

#### Area IV

- |          |     |                              |
|----------|-----|------------------------------|
| NSG 2205 | (3) | Human Growth and Development |
|----------|-----|------------------------------|

#### OR

PSY 2210 (3) Developmental Psychology (Lifespan)

**Select a six-hour history sequence (HIS 1101/1102; HIS 1111/1112; HIS 1122/1123).**

**Select three hours from the following:**

ANT 2200 (3) Anthropology  
PSY 2200 (3) General Psychology

**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  
IS 2241 (3) Computer Concepts and Applications  
NSG 2204 (2) Nutrition  
SOC 2275 (3) Introduction to Sociology  
TROY 1101 (1) University Orientation

**Select 3 hours from the following:**

MTH 2210 (3) Applied Statistics  
PSY 3301 (3) Basic Statistics  
QM 2241 (3) Business Statistics I

**Core Courses (30 hours)**

NSG 2230 (3) Advanced Medical Terminology  
NSG 2285 (3) Perspectives of Aging  
NSG 3309 (2) Health Assessment  
NSG 3310 (1) Health Assessment Practicum

**OR**

NSG 3345 (2) Physical Examination for Allied Health Professionals  
NSG 3346 (1) Physical Examination for Allied Health Professionals Practicum  
NSG 3315 (3) Pathophysiology  
NSG 3340 (3) Ethics in Nursing  
NSG 3350 (3) Case Management to Healthcare  
SOC 3355 (3) Death and Dying  
SOC 3356 (3) Sociology of Aging  
SOC 4456 (3) Gerontology

**OR**

PSY 4456 (3) Gerontology  
SOC 4459 (3) Sociology of Health, Medicine, and Illness

**Students will select 12 hours in the following Communication Concentration:**

COM 3328 (3) International/Intercultural Communication  
COM 3360 (3) Communication Research  
COM 4426 (3) Organizational Communication  
COM 4430 (3) Health Communication  
COM4460 (3) Crisis Communication  
HS 3370 (3) Professional Communication Skills

**Students will select 9 hours in the following Health and Nutrition Concentration:**

KHP 3311 (3) Nutritional Assessment  
KHP 3316 (3) Community Nutrition  
KHP 3350 (3) Psychology of Wellness  
KHP 4427 (3) Health Behavior  
PSY 3330 (3) Health Psychology

**Students will select 9 hours in the following Health and Humanities Concentration:**

HS 3310 (3) Human Behavior in the Social Environment I  
HS 3375 (3) Diversity  
HIS 4409 (3) Infectious Disease and History  
HIS 4410 (3) Gender, Health and History  
PSY 3310 (3) Sensation and Perception  
PSY 3315 (3) Cultural and Diversity Psychology  
PHI 3365 (3) Bioethics in a Historical Context

**OR**

HIS 3365 (3) Bioethics in a Historical Context  
PHI 3310 (3) Applied Ethics

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#### APPLIED HEALTH SCIENCES MINOR (18 HOURS)

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*Students will select 18 credit hours of approved Nursing,*

*Sociology and Psychology courses with at least one course in each area. Nine (9) credit hours must be upper level.*

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#### CASE MANAGEMENT MINOR (18 HOURS)

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**Students w/ Human Service Major:**

HS 2250 (3) Fundamentals of Case Management (must be taken first)  
NSG 2230 (3) Advanced Medical Terminology  
SWK 3302 (3) Social Services Resources  
SWK 3303 (3) Crisis Intervention

**Students must take 2 (3 hour) elective (HS/SWK) or 3000/4000 level course with approval**

**Students w/o 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) Diversity  
HS 3370 (3) Professional Communication  
SWK 3302 (3) Social Services Resources

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#### EXERCISE SCIENCE PROGRAM (123 HOURS)

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This degree has specialized general studies requirements (see areas III-V). Students should consult with an Exercise Science Program adviser along with this catalog. Students enrolled in the Exercise Science 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 Science 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 I  
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

†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 Civ. I, or placement in HIS 1103

HIS 1102	(3)	Honors Western Civics I Western Civ. II, or placement in HIS 1104 Honors Western Civics 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 Nat'l Govt., or placement in POL 2240 Honors American Nat'l Gov
PSY 2200	(3)	General 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)	General Psychology
PSY 2210	(3)	Developmental Psychology
SOC 2275	(3)	Introduction to Sociology

†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)	Cell Biology
BIO L220	(1)	Cell Biology Lab
IS 2241	(3)	Computer Concepts
KHP 1142	(1)	Beginning Weight Training
KHP 2202	(2)	First Aid, Safety, and CPR
KHP 2211	(3)	Human Nutrition
KHP 2242	(1)	Intermediate Weight Training
TROY 1101	(1)	University Orientation

**For students with a concentration in Wellness and Fitness take the following seven (7) hours:**

KHP 3391	(3)	Testing and Statistical Interpretation
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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 2240	(3)	Personal and Community Health
KHP 2200	(1)	Health Concepts

**For Students with a concentration in Nutrition take the following seven (7) hours:**

CHM 1143	(3)	General Chemistry II
CHM L143	(1)	General Chemistry Lab II
KHP 3360	(3)	Physiological Principles of Body Systems

**For students with a concentration in Pre-Health Professions take the following seven (7) hours:**

NSG 1105	(1)	Medical Terminology
MTH 2210	(3)	Applied Statistics

**Select one (1) of the following:**

PSY 3304	(3)	Abnormal Psychology
PSY 4421	(3)	Physiological Psychology

**Program Core Requirements (40 hours)**

BIO 3347	(3)	Human Anatomy and Physiology I
BIO L347	(1)	Human Anatomy and Physiology Lab I
BIO 3348	(3)	Human Anatomy and Physiology II
BIO L348	(1)	Human Anatomy and Physiology Lab II
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 4476	(2)	Laboratory Practicum in Exercise Performance
KHP 4488	(3)	Issues and Practice in Cardiac Rehabilitation
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
NSG 3315	(3)	Pathophysiology

†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)**

AT 3394	(1)	Lifting Techniques for Conditioning and Rehabilitative Exercise
KHP 3350	(3)	Psychology of Wellness
KHP 3360	(3)	Physiological Principles of Body Systems
KHP 3395	(2)	Care and Prevention of Athletic Injuries
KHP 4405	(3)	Physical Activity and Disease Prevention
KHP 4460	(3)	Principles of Strength & Conditioning
KHP L460	(1)	Principles of Strength & Conditioning Lab
KHP 4487	(2)	Special Topics in Exercise Performance

**Select two (2) hours of advisor approved electives.**

**Nutrition Concentration (20 hours)**

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

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**

BIO 3372	(3)	Microbiology
BIO L372	(1)	Microbiology Lab

**OR**

CHM 3342	(3)	Organic Chemistry I
CHM L342	(1)	Organic Chemistry I Lab

**OR**

KHP 4460	(3)	Principles of Strength & Conditioning
KHP L460	(1)	Principles of Strength & Conditioning Lab

**Select one (1) hour of advisor approved elective.**

**†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 Lab II
PHY 2252	(3)	General Physics I
PHY L252	(1)	General Physics Lab I
PHY 2253	(3)	General Physics II
PHY L253	(1)	General Physics Lab II

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
- KHP 2200 (1) Health Concepts

**OR**

- KHP 4460 (3) Principles of Strength & Conditioning
- KHP L460 (1) Principles of Strength & Conditioning Lab

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**EXERCISE SCIENCE MINOR (18 HOURS)**

- KHP 3352 (3) Kinesiology
- KHP 4459 (3) Sport and Exercise Nutrition
- KHP 4474 (3) Exercise Physiology
- KHP L474 (1) Exercise Physiology Lab
- KHP 4475 (3) Exercise Testing
- KHP 4488 (3) Issues and Practice in Cardiac Rehabilitation
- KHP 4476 (2) Laboratory Practicum

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**HEALTH EDUCATION MAJOR (127 HOURS)**

*For professional studies information, see the College of Education section of this catalog.*

NOTE: Students seeking Alabama Teacher certification in health education should select education as a second major. Students should consult with their advisers concerning all certification requirements.

**Specialized General Studies Requirements**

**Area III**

- BIO 1100 (3) Principles of Biology I
- BIO L100 (1) Principles of Biology Lab
- MTH 1112 (3) Pre-Calculus Algebra, or placement

**Select a four hour course/lab combination from the following:**

- 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) General Physics I Lab
- SCI 2233 (3) Physical Science
- SCI L233 (1) Physical Science Lab

**Area V Requirements (18 hours)**

- KHP 2202 (2) First Aid and Safety and CPRO\*\*
- KHP 2240 (3) Personal and Community Health\*\*
- KHP 2251 (3) Foundations of Physical Education/SFM
- KHP 3360 (3) Physiological Principles of Body Systems
- KHP 3395 (2) Care and Prevention of Athletic Injury
- IS 2241 (3) Computer Concepts and Applications
- TROY 1101 (1) University Orientation

**Select two hours of physical activity courses.**

**Major requirements**

- KHP 3350 (3) Psychology of Wellness and Performance
- KHP 3352 (3) Kinesiology and Efficiency of Human Movement
- KHP 3361 (3) Integrating HPER into the Curriculum
- KHP 4405 (3) Physical Activity and Disease Prevention
- KHP 4410 (3) Motor Development
- KHP 4427 (3) Health Behavior
- KHP 4442 (3) Health Education
- KHP 4459 (3) Sport and Exercise Nutrition
- KHP 4474 (3) Exercise Physiology
- KHP L474 (1) Exercise Physiology Lab

\*\*course cannot be transferred, must be taken at Troy University.

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**HEALTH PROMOTION MINOR (18 HOURS)**

- KHP 3352 (3) Kinesiology
- KHP 4405 (3) Physical Activity and Disease Prevention
- KHP 4427 (3) Health Behavior

- KHP 4459 (3) Sport and Exercise Nutrition
- KHP 4474 (3) Exercise Physiology
- KHP L474 (1) Exercise Physiology Lab

**Select an additional two hours of adviser-approved courses.**

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**HOSPITALITY, SPORT AND TOURISM MANAGEMENT (120 HOURS)**

Hospitality, Sport and Tourism 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.

The School of Hospitality, Sport & Tourism Management believes 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 HSTM are required to complete an internship.

All Hospitality, Sport and Tourism Management majors should also select one 18-hour minor. This minor may be a minor housed in the School which include Event Management, Hospitality Management, Sport Management, Tourism Management, Recreation, or a minor outside the School.

**Area III Requirements**

- MTH 1112 (3) Pre-Calculus Algebra, or placement

**Area V Requirements**

- IS 2241 (3) Computer Concepts and Applications
- TROY 1101 (1) University Orientation

*Select one of the following:*

- QM 2241 (3) Business Statistics
- MTH 2210 (3) Applied Statistics

*Select one adviser-approved elective course (3 Hours).*

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**HOSPITALITY, SPORT AND TOURISM MANAGEMENT CORE (27 HOURS)**

- HSTM 2201 (3) Leisure in Society
- HSTM 3365 (3) Research Methods in Hospitality, Sport & Tourism Management
- HSTM 4450 (3) Event Management in Hospitality, Sport and Tourism Management
- HSTM 3350 (3) Leadership Principles in Hospitality, Sport and Tourism Management
- HSTM 4470 (3) Revenue Generation in Hospitality, Sport and Tourism Management
- HSTM 4490 (6) Internship
- HSTM 4499 (3) Seminar in Hospitality, Sport and Tourism Management
- HSTM 4431 (3) Analytics in HSTM

*Select Hospitality, Sport or Tourism Management as concentration area.*

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**HOSPITALITY MANAGEMENT CONCENTRATION (15 HOURS)**

- HSTM 3374 (3) Resort and Hotel Management
- HSTM 4425 (3) Human Resource Management in Hospitality
- HSTM 4465 (3) Hospitality Service
- HSTM 4466 (3) Food & Beverage Management

**Select one of the following:**

- HSTM 4423 (3) Current Issues in Hospitality
- HSTM 4485 (3) Practicum

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**HOSPITALITY AND TOURISM CORE (12 HOURS)**

HSTM 2220 (3)	Introduction to Tourism Management
HSTM 2230 (3)	Introduction to Hospitality Management
HSTM 4462 (3)	Hospitality and Tourism Marketing
HSTM 4420 (3)	Hospitality and Tourism Financial Management

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**SPORT MANAGEMENT CONCENTRATION  
(27 HOURS)**

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HSTM 2255 (3)	Introduction to Sports Management
HSTM 4430 (3)	Sports Marketing
HSTM 4440 (3)	Governing Agencies
HSTM 4443 (3)	Case Studies in Sport Management
HSTM 4451 (3)	Sport Finance
HSTM 4452 (3)	Sport Communications & Emerging Technology
HSTM 3353 (3)	Legal Aspects in Sport Management
HSTM 3335 (3)	Facility Management

**Select one of the following:**

HSTM 4435 (3)	Current Issues in Sport Management
HSTM 4485 (3)	Practicum

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**TOURISM MANAGEMENT CONCENTRATION  
(15 HOURS)**

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HSTM 3330 (3)	Festivals and Special Events
HSTM 3325 (3)	Working in Tourism
HSTM 4414 (3)	Sustainable Tourism
HSTM 4419 (3)	Tourism Enterprises

**Select one of the following:**

HSTM 4417 (3)	Current Issues in Tourism
HSTM 4485 (3)	Practicum

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**SPORT MANAGEMENT MINOR (18 HOURS)**

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HSTM 2255 (3)	Introduction to Sport Management
HSTM 3335 (3)	Facility Management
HSTM 3353 (3)	Legal Aspects in Sport Management
HSTM 4435 (3)	Current Issues in Sport Management
HSTM 4451 (3)	Sport Finance
HSTM 4452 (3)	Sport Communication and Emerging Technology

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**HOSPITALITY MANAGEMENT MINOR  
(18 HOURS)**

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HSTM 2230 (3)	Introduction to Hospitality Management
HSTM 3374 (3)	Resort and Hotel Management
HSTM 4423 (3)	Current Issues in Hospitality
HSTM 4425 (3)	Human Resource Management in Hospitality
HSTM 4465 (3)	Hospitality Service
HSTM 4466 (3)	Food and Beverage Management

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**TOURISM MANAGEMENT MINOR  
(18 HOURS)**

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HSTM 2220 (3)	Introduction to Tourism Management
HSTM 3325 (3)	Working in Tourism
HSTM 3330 (3)	Festivals and Special Events
HSTM 4414 (3)	Sustainable Tourism
HSTM 4417 (3)	Current Issues in Tourism
HSTM 4419 (3)	Tourism Enterprises

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**EVENT MANAGEMENT MINOR (18 HOURS)**

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HSTM 2210 (3)	Introduction to Event Management
HSTM 2220 (3)	Introduction to Tourism Management
HSTM 3320 (3)	Event Information, Communication, and

Technology

HSTM 3330 (3)	Festivals and Special Events
HSTM 4480 (3)	Event Planning and Operation
HSTM 4485 (3)	Practicum

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**EVENT MANAGEMENT MINOR HOSPITALITY  
MANAGEMENT CONCENTRATION (18 HOURS)**

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HSTM 2210 (3)	Introduction to Event Management
HSTM 3320 (3)	Event Information, Communication, and Technology
HSTM 3330 (3)	Festivals and Special Events
HSTM 4480 (3)	Event Planning and Operation
HSTM 4485 (3)	Practicum

*Advisor approved elective (3)*

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**EVENT MANAGEMENT MINOR TOURISM  
MANAGEMENT CONCENTRATION (18 HOURS)**

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HSTM 2210 (3)	Introduction to Event Management
HSTM 3320 (3)	Event Information, Communication, and Technology
HSTM 4465 (3)	Hospitality Service
HSTM 4480 (3)	Event Planning and Operation
HSTM 4485 (3)	Practicum

*Advisor approved elective (3)*

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**RECREATION MINOR  
NON-HSTM MAJORS (18 HOURS)**

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HSTM 2255 (3)	Introduction to Sport Management
HSTM 3340 (3)	Principles of Recreation
HSTM 3345 (3)	Recreation Programming
HSTM 4468 (3)	Recreation Administration

***Select 6 additional hours in HSTM courses***

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**RECREATION MINOR HOSPITALITY  
MANAGEMENT CONCENTRATION (18 HOURS)**

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HSTM 2255 (3)	Introduction to Sport Management
HSTM 3340 (3)	Principles of Recreation
HSTM 3345 (3)	Recreation Programming
HSTM 4468 (3)	Recreation Administration

***Select 6 additional hours in HSTM courses***

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**RECREATION MINOR  
SPORT MANAGEMENT CONCENTRATION (18 HOURS)**

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HSTM 2220 (3)	Introduction to Tourism Management
HSTM 3340 (3)	Principles of Recreation
HSTM 3345 (3)	Recreation Programming
HSTM 4468 (3)	Recreation Administration

***Select 6 additional hours in HSTM courses***

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**RECREATION MINOR  
TOURISM MANAGEMENT MAJORS (18 HOURS)**

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HSTM 2255 (3)	Introduction to Sport Management
HSTM 3340 (3)	Principles of Recreation
HSTM 3345 (3)	Recreation Programming
HSTM 4468 (3)	Recreation Administration

***Select 6 additional hours in HSTM courses***

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**HUMAN SERVICES MAJOR (36 HOURS)**

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HS 2230 (3)	Survey of Human Services
HS 2240 (3)	Ethics
HS 3310 (3)	Human Behavior in the Social Environment I
HS 3375 (3)	Diversity
HS 3370 (3)	Professional Communication Skills

HS 3399	(3)	Human Services Seminar
HS 4400	(6)	Human Services Field Experience
RHB/ SWK 3320	(3)	Human Behavior in the Social Environment II

**Select 12 additional hours in HS, RHB, or SWK courses.**

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**HUMAN SERVICES MINOR (18 HOURS)**

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HS 3310	(3)	Human Behavior and the Social Environment I
HS 3370	(3)	Professional Communication Skills
SWK 3320	(3)	Human Behavior and the Social Environment II

HS/

SWK/3375	(3)	Diversity
HS 2230	(3)	Survey of Human Services

**OR**

HS 2240	(3)	Ethics
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**Select three additional hours in HS, RHB, or SWK courses.**

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**NURSING, ASSOCIATE OF SCIENCE (ASN)  
(70 HOURS)**

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### Admission

Students are admitted into the ASN Program in the spring and fall terms. The Admissions Committee reviews all records of qualified applicants. Applicants receive a ranking based on measurable criteria (i.e., test scores, GPA, etc.). Deadline for filing application and all required admission documentation is May 30 for fall admission and Oct. 1 for spring admission.

For admission to the ASN program, the student must:

- submit application for admission to undergraduate studies with \$30 application fee;
- submit **Official** high school transcript or the equivalent (GED). A high school transcript or GED is not required for students transferring in a minimum 24 semester hours of college credit;
- Submit **Official** transcripts from all colleges and universities attended;
- submit **Official** admission test scores. The ASN program accepts a "Proficient Score" on the TEAS (Test of Essential Academic Skills)
  - The test must have been taken within the 2 years prior to the date of application for admission.
  - If the student submits TEAS scores (from exams taken twice during the 2 year period), the highest score will be considered. If more than 2 attempts are submitted, only the first two taken during the two year period would be considered.
- meet all unconditional admission requirements for freshman students as listed in the Troy University undergraduate catalog and ; have a minimum grade point average GPA of at least 2.0/4.0 scale on all college work attempted at the undergraduate level and a minimum grade point average of at least 2.5/4.0 scale on all college work attempted at Troy University at the undergraduate level. If less than 24 HR of college work has been attempted, you must have a minimum 2.5/4.0 High School GPA or a GED with a score of 500; and
- meet core performance standards required for duties of the nursing profession (copy of standards available upon request).

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

- Student must maintain an overall Troy University GPA of at least 2.0 on 4.0 scale while enrolled in nursing courses.

- Student must earn a grade of C (74%) or better in each required course.
- A student will be able to repeat a nursing course only one time to achieve a grade of C or better .
- A 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.
- Student must make 90% or higher on a dosage and solutions calculation examination in NSG 1151 to progress in the program.
- Student must satisfactorily complete an NCLEX predictor exam in NSG 2280.
- Student must complete the program within four years from the date of initial enrollment in the first clinical nursing course (NSG 1131 and/or NSG 1135) to remain in the program. Whether a student drops, fails or withdraws from NSG 1131 or NSG 1135 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.

### Specialized General Studies Requirements

#### Area I

ENG 1101	(3)	Composition I
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#### 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)	General Microbiology
BIO L372	(1)	General Microbiology Lab
MTH 1110	(3)	Finite Mathematics
<b>OR</b>		
MTH 1112	(3)	Pre-Calculus Algebra

#### Area IV

PSY 2200	(3)	General Psychology
PSY 2210	(3)	Developmental Psychology

#### Area V

TROY 1101	(1)	University Orientation
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#### 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)	Basic Nursing Concepts II
NSG 1141	(3)	Basic Nursing Practicum II
NSG 1151	(1)	Hospital Measurements
NSG 2202	(2)	Pharmacology
NSG 2213	(2)	Nutrition
NSG 2255	(2)	Maternal-Infant Nursing
NSG 2256	(2-4)	Maternal-Infant Nursing Practicum
NSG 2265	(2)	Nursing of Children
NSG 2266	(2-4)	Nursing of Children Practicum
NSG 2271	(2)	Psychosocial Nursing Concepts

NSG 2272	(2)	Psychosocial Nursing Practicum
NSG 2280	(4)	Advanced Nursing Concepts
NSG 2281	(6)	Advanced Nursing Practicum
NSG 2282	(2)	Adult Health Nursing II: Geriatrics
NSG 2283	(2-4)	Adult Health II Practicum: Geriatrics

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**NURSING, BACHELOR OF SCIENCE (BSN)  
(124 HOURS)**

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**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 written application with the School of Nursing. Consult academic adviser or BSN Coordinator. For information regarding BSN courses on the Dothan campus, please contact the School of Nursing at (334) 983-6556 EXT 1435. 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](http://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 Accreditation Commission for Education in Nursing (ACEN) accreditation 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. Satisfactory performance on an exit exam is required for completion of NSG 4417 Professional Nursing Seminar. (Note: Exit 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 child health nursing, students may be assigned to learning experiences in Birmingham, Alabama.

The clinical facilities used for students in the RN Mobility track are located in a variety of settings and geographical locations.

**Specialized General Studies Requirements****Area II**

**Select one of the following: ANT 2280, NSG 3340, PHI 2203, or PHI 2204**

**Area III**

BIO 3372	(3)	Microbiology
BIO L372	(1)	Microbiology Lab
MTH 1112	(3)	Pre-Calculus Algebra
CHM 1142	(3)	General Chemistry I
CHM L142	(1)	General Chemistry Lab I

**Area IV**

NSG 2205	(3)	Human Growth and Development
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**OR**

PSY 2210	(3)	Developmental Psychology (Lifespan)
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**Select a six-hour history sequence (HIS 1101/1102; HIS 1111/1112; HIS 1122/1123).**

**Select three hours from the following:**

ANT 2200	(3)	Anthropology
PSY 2200	(3)	General 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)	University Orientation

**Select 3 hours from the following:**

MTH 2210	(3)	Applied Statistics
PSY 3301	(3)	Basic Statistics
QM 2241	(3)	Business Statistics I

**Select 3 hours from elective choice****Core Course Requirements for Generic or Pre-licensure students (62 hours)**

NSG 3300	(1)	Dosage Calculations
NSG 3301	(3)	Pharmacology
NSG 3306	(2)	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)	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)	Psychiatric-Mental Health Practicum
NSG 3336	(3)	Adult Health Nursing II
NSG 3337	(2)	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)	Public Health Nursing Practicum
NSG 4407	(1)	Clinical Nutrition
NSG 4413	(3)	Complex Nursing
NSG 4414	(2)	Complex Nursing Practicum
NSG 4415	(2)	Nursing Leadership/Management
NSG 4417	(1)	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 Practicum
NSG 4430	(3)	Advanced Nursing Theory
NSG 4431	(2)	Advanced Nursing Preceptorship

Select One of the Following courses (3 hours)

NSG 4440	(3)	Research and Evidence for the Practicing Registered Nurse
NSG 6691	(3)	Research and Evidence for Advanced Nursing Practice

*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.*

**NUTRITION MINOR (18 HOURS)**

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

**PHYSICAL EDUCATION MAJOR (128 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 I
BIO L100	(1)	Principles of Biology Lab
MTH 1112	(3)	Pre-Calculus Algebra, or placement

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)	General Physics I Lab
SCI 2233	(3)	Physical Science
SCI L233	(1)	Physical Science Lab

**Area V Requirements**

KHP 2201	(2)	Camping and Outdoor Recreation
KHP 2202	(2)	First Aid and Safety and CPRO
KHP 2240	(3)	Personal and Community Health
KHP 2251	(3)	Foundations of Physical Education and Health
KHP 3360	(3)	Physiological Principles of Body Systems

IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

Select two hours of physical activity courses.

**Major requirements:**

KHP 2252	(3)	Methods of Teaching Dance
KHP 3330	(2)	Physical Skills Proficiency
KHP 3331	(2)	Physical Skills Proficiency II
KHP 3352	(3)	Kinesiology and Efficiency of Human Movement
KHP 3361	(3)	Integrating HPER into the Curriculum
KHP 3395	(2)	Care and Prevention of Athletic Injury/Illness
KHP 4410	(3)	Motor Development
KHP 4474	(3)	Exercise Physiology
KHP L474	(1)	Exercise Physiology Lab
KHP 4485	(3)	Teaching Individual and Team Sports
KHP 4486	(3)	Teaching Individual and Team Sports

**COACHING MINOR (18 HOURS)**

Students must select one (1) of two (2) or three (3) courses from Sections 1-7.

1. KHP 2211 (3) Human Nutrition  
OR  
KHP 4459 (3) Sport and Exercise Nutrition
2. KHP 3350 (3) Psychology of Wellness  
OR  
KHP 4410 (3) Motor Development  
OR  
PSY 2210 (3) Developmental Psychology
3. KHP 3360 (3) Physiological Principles of Body Systems  
OR  
KHP 2251 (3) Foundations of Physical Education Health
4. KHP 3352 (3) Kinesiology and Efficiency of Human Movement  
OR  
LDR 2200 (3) Tools for Leadership
5. KHP 2202 (2) First Aid and Safety and CPRO  
OR  
KHP 3395 (2) Care and Prevention of Athletic Injury
6. KHP 4400 (3) Sports Officiating and Programs in Intramurals  
OR  
KHP 4460 (3) Principles of Strength and Conditioning
7. KHP 2260 (2) Applied Fitness Concepts  
OR  
KHP L460 (1) Principles of Strength and Conditioning Lab

**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. In AREA II take COM 2241 and any 1000-2000 level Literature Series (6 hours); and, in Area IV take a History Series (6 hours). The following general studies courses are required for social work majors: ANT 2200, ECO 2251, POL 2241, PSY 2200, SOC 2275, and PSY 3304. Courses will similar course 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, beginning with SWK 3390. Students are encouraged to declare social work as a major during the freshman or sophomore year in order to ensure that they will meet the requirements for admission in a timely manner. Otherwise, the student may be out of

sequence in meeting program requirements. Admission to the professional social work curriculum is usually accomplished during the first semester of the junior year concurrent with enrollment in SWK 2250, which precedes enrollment in SWK 3390 the following semester. 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 and have completed a minimum of 30 semester hours, and (2) have completed ENG 1101 and 1102 or ENG 1103 and 1104; COM 2241 or 2243; HS 2240, 3310 and 3370; and SWK 2250 and 2280 (or be currently enrolled) with a grade of C or better. Procedures for applying for admission to the professional social work curriculum may be obtained from the Department of Social Work. Students completing all but 3-6 hours of general studies courses will have the best opportunity of being unconditionally accepted into the program. Students with more than 6 hours may have a delayed acceptance or conditional admission.

### Progression in Social Work

- Students are required to make a grade of C or better in each of the required departmental core and professional curriculum courses (all HS, RHB, and SWK prefixed courses.)
- Students may repeat only one 3000-4000 level departmental course; thereafter, a D or F in any 3000-4000 level departmental required course will result in automatic dismissal from the social work program.
- A student remains in good standing by maintaining, at a minimum, a 2.5 GPA in all course work taken and a 2.5 GPA in all required departmental and professional courses.

### Core Requirements (27 Hours)

HS 2240	(3)	Ethics
HS 3310	(3)	Human Behavior and the Social Environ I
HS/SWK/3375	(3)	Diversity
HS 3370	(3)	Profession Communications Skills
SWK	(3)	Program Elective
SWK 2280	(3)	Social Work Research I
SWK 2281	(3)	Social Work Research II
SWK 3320	(3)	Human Behavior/the Social Environ II
SWK 3340	(3)	Social Policy and Planning

### Social Work Professional Program (25 hours)

*The principal educational objective is the preparation of graduates for beginning generalist social work practice.*

SWK 2250	(3)	Introduction to Social Work
SWK 3390	(3)	Social Work with Individuals/Family
SWK 4471	(3)	Social Work with Groups
SWK 4472	(3)	Social Work w/ Org and Communities
SWK 4480	(3)	Social Work Seminar
SWK 4481	(12)	Social Work Practicum

KHP 2251	(3)	Foundations of Physical Education and Health
KHP 2252	(3)	Methods of Teaching Dance
KHP 3310	(3)	Introduction to Food Science
KHP L310	(1)	Introduction to Food Science Lab
KHP 3350	(3)	Psychology of Wellness
KHP 3391	(3)	Testing and Statistical Interpretation
KHP 4400	(3)	Sports Officiating and Programs in Intramurals
KHP 4427	(3)	Health Behavior
SOC 3365	(3)	Sociology of Sport

### Choose One of the following Concentrations:

#### Wellness Concentration (20 hours)

*Select at least 20 hours of additional 3000/4000-level courses as approved by your faculty adviser.*

#### Health Promotion Concentration (20 hours)

HSTM 3345	(3)	Recreation Programming
KHP 2260	(2)	Applied Fitness Concepts
KHP 3311	(3)	Nutritional Assessment
PSY 3304	(3)	Abnormal Psychology
PSY 3330	(3)	Health Psychology
SOC 2280	(3)	Social Problems in Contemporary Society
SOC 3360	(3)	Introduction to Qualitative Research Methods

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## HEALTH AND WELLNESS PROMOTION PROGRAM (120-122 HOURS)

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### Area V Requirements

IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

*Select two hours of physical activity courses.*

*Select twelve hours of adviser-approved electives or courses to meet prerequisites not already taken in Area IV such as SOC 2275.*

### Major requirements (41 hours)

HSTM 3301	(3)	Social Psychology of Leisure
HSTM 3340	(3)	Principles of Recreation
KHP 2201	(2)	Camping and Outdoor Education
KHP 2202	(2)	First Aid and Safety and CPRO
KHP 2211	(3)	Human Nutrition
KHP 2240	(3)	Personal and Community Health



## COURSE DESCRIPTIONS

*Single numerals within parentheses reflect course credit hours. Numerals within parentheses separated by a dash reflect credit hours followed by contact hours. For more information students may contact their academic advisers.*

### ACCOUNTING COURSES (ACT)

<p><b>ACT 2291 Principles of Accounting I (3)</b> Modern financial accounting theory and practices applied to sole proprietorships, partnerships, and corporations. All Students must complete this course with a grade of C or better.</p>	<p>majors must complete this course with a grade of C or better. <i>Prerequisite: ACT 2292.</i></p>
<p><b>ACT 2292 Principles of Accounting II (3)</b> Modern financial and managerial accounting theory and practices applied to an organization's liabilities, cash flows, planning, budgeting, and control. All Students must complete this course with a grade of C or better. <i>Prerequisite: ACT 2291.</i></p>	<p><b>ACT 3395 Managerial/Cost Accounting I (3)</b> 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. <i>Prerequisite: ACT 2292.</i></p>
<p><b>ACT 3355 Internal Auditing (3)</b> 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. <i>Prerequisites: ACT 2292.</i></p>	<p><b>ACT 3396 Accounting Information Systems (3)</b> 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. <i>Prerequisite: ACT 2292.</i></p>
<p><b>ACT 3357 Financial Reporting &amp; Analysis I (3)</b> 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. <i>Prerequisites: ACT 2292.</i></p>	<p><b>ACT 4435 International Accounting (3)</b> An overview of emerging issues related to international accounting and reporting of financial information across national boundaries. The course will address topics such as accounting and auditing standards, disclosure practices, and financial reporting in a global business environment. Accounting majors must complete this course with a grade of C or better. <i>Prerequisite: ACT 2292.</i></p>
<p><b>ACT 3358 Financial Reporting &amp; Analysis II (3)</b> 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. <i>Prerequisite: ACT 3357.</i></p>	<p><b>ACT 4450 Auditing Concepts (3)</b> 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. <i>Prerequisite: ACT 3358.</i></p>
<p><b>ACT 3360 Entrepreneurial Accounting (3)</b> 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. <i>Prerequisite: ACT 2292, MGT 4475.</i></p>	<p><b>ACT 4451 Introduction of Taxation (3)</b> 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. <i>Prerequisites: ACT 2292.</i></p>
<p><b>ACT 3365 Corporate Financial Reporting (3)</b> An analysis of the financial reporting issues faced by managers, including preparing, understanding, and analyzing financial reports. <i>Prerequisites: ACT 2292.</i></p>	<p><b>ACT 4480 Professional Development—Public Accounting (1)</b> 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. <i>Prerequisite: ACT 3391, ACT 3392, ACT 3394, ACT 3396, ACT 4494. Prerequisites or Co-requisites: ACT 3395, ACT 4491, ACT 4495, ACT 4497.</i></p>
<p><b>ACT 3391 Intermediate Accounting I (3)</b> Theory and applications of assets, liabilities, and owners' equity, revenues, expenses, and analytical process. Accounting majors must complete this course with a grade of C or better. <i>Prerequisite: ACT 2292.</i></p>	<p><b>ACT 4481 Professional Development – Forensic Accounting (1)</b> Analysis of current developments and requirements for entry into the forensic accounting profession. Accounting majors must complete this course with</p>
<p><b>ACT 3392 Intermediate Accounting II (3)</b> Theory and applications of assets, liabilities, and owners' equity, pensions, leases, earnings per share, and analytical process. Accounting majors must complete this course with a grade of C or better. <i>Prerequisite: ACT 3391.</i></p>	
<p><b>ACT 3394 Governmental Accounting (3)</b> Analysis of governmental and not-for-profit accounting issues including the preparation and use of budgets, records and statements. Accounting</p>	



- a grade of C or better.  
*Prerequisites:* ACT 3358, ACT 3394, ACT 3396, ACT 4451, LAW 4425, ACT 4450.  
*Prerequisites or Co-requisites:* 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.  
*Prerequisites:* ACT 3358, ACT 3355, ACT 3395, ACT 3396, ACT 4451, ACT 4450.  
*Prerequisites or Co-requisites:* 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:* ACT 4450.
- ACT 4491 Advanced Accounting (3)**  
 An analysis of the theory and applications of accounting for business combinations, partnerships, and foreign currency transactions and translations. Accounting majors must complete this course with a grade of C or better.  
*Prerequisite:* ACT 3392.
- ACT 4492 Guided Independent Research (1 to 3 credit hours per course per semester)**  
 Additional information is indexed under Independent Study and Research.  
*Note: This course may not be substituted for any required course.*
- ACT 4493 Guided Independent Study (1 to 3 credit hours per course per semester)**  
 Additional information is indexed under Independent Study and Research.  
*Note: This course may not be substituted for any required course. Also see index for "Independent Study and Research." 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.*
- 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:* ACT 2292.
- ACT 4495 Income Tax Accounting II (3)**  
 Analysis of federal income tax laws and regulations for partnerships, corporations, estates and fiduciaries. Accounting majors must complete this course with a grade of C or better.  
*Prerequisite:* 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:* ACT 3358, ACT 3355, 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:* 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:* ACT 4485.
- ACT 4499 Accounting Internship (1 to 3 credit hours per course per semester)**  
 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.  
*Prerequisite:* ACT 3392.
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- ADULT EDUCATION (ADE)**
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- 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.
- 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.
- 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' knowledge and skills. Emphasis is placed on constructing and validating various types of measurement instruments and performance assessments including their validity and reliability.
- 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.
- 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.
- ADE 4410 Professional Education Communication (Student Counseling) (3)**  
 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.

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.

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**ADVERTISING COURSES (ADJ)**


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ADJ 2220

**Introduction to 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)**

The principles of advertising psychology studied in relation to the techniques for writing effective copy; approximately half of the course is devoted to practice in writing effective advertisements.  
*Prerequisites: ADJ 2220 or PRJ 2230, JRN 1102 or PRJ 3375 or special permission from the director of the School of Journalism.*

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: ADJ 2220.*

ADJ 4451

**Advertising Media Planning (3)**

This course explores researching media options, developing a media plan, and learning how to implement the plan. It includes identifying target audiences, the media they use, the cost efficiency of the media, and determining the costs of the total plan.  
*Prerequisite: ADJ 2220*

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**ANTHROPOLOGY COURSES (ANT)**


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ANT 2200

**Anthropology (3)**

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

**Physical Anthropology (3)**

An examination of human biological development from the beginning of mankind through the Pleistocene age using evidence from archaeology, paleontology, biology, genetics and osteology.

ANT 3312

**Field Techniques in Archaeology (3-6-9 hours)**

Instruction in survey and excavation methods and techniques used in the discipline of archaeology.

ANT 3313

**Laboratory Techniques in Archaeology (3)**

Instruction in the methods and techniques used in the curation and analysis of cultural materials recovered from archaeological investigations.

ANT 3315

**The Anthropology of Kinship and Social Structure (3)**

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 3320

**Prehistory of North American Indians (3)**

An examination of the aboriginal cultures of North America prior to the period of European contact based upon archaeological evidence.

ANT 3321

**North American Indians Since Contact (3)**

An examination of aboriginal cultures of North America from the period of European exploration, colonization, and settlement to the present using archaeological, ethnographic, and ethnological studies.

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**

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 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 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 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 High Civilizations of the Old World (3)**  
An anthropological examination of the sociocultural systems that formed the foundations of pre-industrial high civilizations of the Old World and a survey of 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 Techniques (3)**  
This course involves specific archaeological training in a singular area of Archaeological practice. Training in specific areas will be limited to such areas: zooarchaeological analysis, paleoethnobotanical analysis, geo-spatial archaeological analysis, cultural resource management, ceramic or lithic analysis, ethnoarchaeology, experimental archaeology, archaeological synthesis, and curation.  
*Prerequisite: Permission of Instructor.*
- ANT 4413 The Archaeology 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 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 4420 Forensic Osteology (3)**  
A survey of the methods used in recovering human osteological remains from field sites. It includes methods used in identifying, preserving, and recording data from human osteological remains, and the methods used in determining the cause of death, age, sex, race, and stature of individuals from human osteological remains.
- 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 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 4490 Internship in Anthropology (1 – 6)**  
Internship with a recognized, professional anthropology related agency in which the student is assigned specific tasks related to the field of anthropology.
- ANT 4491-92 Guided Independent Research (1 to 3 credit hours per course per semester)**  
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures.  
*Prerequisites: 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. 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."*
- ANT 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**  
Supervised study through field and laboratory projects, guided readings, creative endeavors or achievement of specific skills.  
*Prerequisites: 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. 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."*
- ANT 4499 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: ANT 3305, ANT 3310, ANT 3311, ANT 3340, ANT 3315, senior status, or permission of instructor.*
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- ART AND DESIGN COURSES (ART)**
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- 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.  
*Prerequisites: 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.  
*Prerequisites: ART 1150, ART2201.*
- ART 2205 3D Studio II (3-5)**  
Fundamental concepts in sculpture. Emphasis on traditional subtractive and additive techniques in a variety of media.  
*Prerequisite: 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.  
*Prerequisites: ART 1145, ART 2201.*
- ART 2208 Digital Tools (3)**  
Students will be introduced to microcomputer literacy, word processing, spreadsheets, database, and web-top and desktop graphic applications. Students will also learn of emerging technological advancements in art and design. The purpose of this course is to provide the students with the necessary skill set that will be used in many of the art and design courses. This is not an advanced computer applications course.
- ART 2210 e-Drawing (3)**  
Introduction to drawing with emphasis on developing rendering skills applied to digital technology. Required for <<dti>>majors
- 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.  
*Prerequisites: 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.  
*Prerequisites: 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 19<sup>th</sup>, 20<sup>th</sup>, and 21<sup>st</sup> 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: 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 <<dti>> Principles of Digital Design (3)**  
Introduction to the fundamental principles of graphic design from concept development to final execution.  
*Prerequisites: ART 2230.*
- ART 3310 <<dti>> Time Based Media (3)**  
Exploration of graphic design applied to multimedia. Students will learn to produce presentations using type, imagery, and audio-visuals.  
*Prerequisite: ART 2230.*
- ART 3315 <<dti>> Design for the Internet (3)**  
Formal and practical aspects of graphic design as applied to web development, Internet communication, marketing, and advertising.  
*Prerequisite: ART 3310.*
- 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.*  
*Prerequisites: ART 1145, 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: 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: 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: 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: ART 2251.*
- ART 3324 <<dti>> Paper/Screen (3)**  
Exploration of desktop and web-based publishing. Production of content, research, imagery, and development of paper and web-based publications  
*Prerequisite: ART 3308 or permission of department chair.*
- ART 3325 Typography (3)**  
A study of the history, design, and application of basic letterforms. Students will learn of hierarchy of information, typeface and type family characteristics, and grids. Both type and text will be covered.  
*Prerequisite: ART 2230.*
- 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.  
*Prerequisites: 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: ART 1145, 2201, 2210 or 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: 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: ART 2205.*
- ART 3340 Portfolio Design (1)**  
Building a successful portfolio is vitally important to the artist or graphic designer entering the workforce or graduate school. Through this course, students will develop a portfolio that expresses their innovation, mastery of skills and ability to research and complete projects.  
*Prerequisite: Must have completed at least 21 credit hours of major.*
- ART 3342 The Business of Art/Design (1)**  
Student will focus on the business aspects of being an artist/designer. Students will gain relevant marketing, entrepreneurial, collaboration, and planning proficiencies to develop a formal strategy for entering the contemporary marketplace of creative industry.  
*Prerequisite: 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: 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 will acquire critical thinking skills and be able to position works of art within broader conceptual frameworks. Attention will be paid to key issues such as authorship, formalism, social art history, feminism, and post-colonial thinking must take the semester before taking ART 4499 Senior Exhibition.  
*Prerequisite: 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.  
*Prerequisites: 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.  
*Prerequisites: Must have completed at least 21 credit hours of their major.*
- ART 3361 Integrating Art into the Curriculum (3)**  
Critical and experiential investigation of approaches for integrating visual art into the elementary curriculum.  
*Prerequisite: EDU 3310, PSY 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 credit hours per course per semester)**  
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 <<dti>> Design Studio (3)**  
In-depth graphic design studio/lab working with actual clients and producing design solutions for industry. Student must demonstrate proficiency with digital technology systems and have a portfolio design. This course will facilitate the comprehensive assessment of student competencies in design-portfolio review, core curriculum exam

- and/or the taking of a standardized art exam, a requirement of all <<dti>> majors.  
*May be repeated for credit up to six hours.*  
*Prerequisite: 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 contemporary photograph research, continued video creation and editing and alternative printing processes.  
*Prerequisite: 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: ART 2202.*
- ART 4431 3D Studio IV (3-5)**  
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: 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. Prerequisite: Must be taken upon completion of the twelve hours concentration or have approval of the department chair.  
*May be repeated for credit up to six hours.*
- ART 4450 Design for the Internet II (3)**  
A continuing study of "Design for the Internet". New trends in the designs and technologies of web-based visual communication will be discussed and explored. Students will not only broaden their understanding of designing for web top but will explore development concepts such as usability, functionality, modality, and accessibility. Students will also concentrate on the importance of web standards and best practices.  
*Prerequisite: 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: admission to TEP; Co-requisite: 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: ART 3361 and admission to TEP.*
- ART 4491-92 Guided Independent Research (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.
- ART 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.
- ART 4496 Internship (3 or 6 credit hours)**  
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 4499 Thesis Exhibition (3)**  
Requirement for all graduating art or design majors in a comprehensive program of study. Production of a body of work related to their area of concentration and the production of a written manifesto and statement. All students in the BFA and <<dti>>programs must take this course in one of their last two semesters prior to graduation. This class is not offered in the Summer semester.  
*Prerequisite: ART 3350.*

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### AIR FORCE ROTC/AEROSPACE COURSES (AS)

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- AS 1112 The Foundations of the United States Air Force I (1)**  
Is the first of two courses designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force.  
*Co-requisite: AS L112.*
- AS L112 Leadership Laboratory I (2)**  
Leadership laboratory is mandatory for AFROTC cadets and it complements the AS 1112 course by providing cadets with advanced leadership experiences, giving students the opportunity to apply the leadership and management principles.  
*Co-requisite: AS 1112.*
- AS 1113 The Foundations of the United States Air Force II (1)**  
Is the second of two courses designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force.  
*Prerequisite: AS 1112.*  
*Co-requisite: AS L113.*
- AS L113 Leadership Laboratory II (2)**  
Leadership laboratory is mandatory for AFROTC cadets and it complements the AS 1113 course by providing cadets with advanced leadership experiences, giving students the opportunity to apply the leadership and management principles.  
*Prerequisite: AS L112.*  
*Co-requisite: AS 1113.*
- AS 2212 The Evolution of the USAF Air and Space Power I (1)**  
The first of two courses featuring topics on Air Force heritage and leaders; introduction to air power through examination of the Air Force Core Functions, and continued application of communication skills. Its purpose is to instill an appreciation of the development and employment of air power and to motivate sophomore students to transition from AFROTC cadet to AFROTC officer candidate.  
*Prerequisite: AS 1113.*  
*Co-requisite: AS L212.*
- AS L212 Leadership Laboratory I (2)**

- Leadership laboratory is mandatory for AFROTC cadets and it complements the AS 2212 course by providing cadets with advanced leadership experiences, giving students the opportunity to apply the leadership and management principles.  
*Prerequisite: AS L113.*  
*Co-requisite: AS 2212.*
- AS 2213 The Evolution of the USAF Air and Space Power II (1)**  
The second of two courses featuring topics on Air Force heritage and leaders; introduction to air power through examination of the Air Force Core Functions, and continued application of communication skills. Its purpose is to instill an appreciation of the development and employment of air power and to motivate sophomore students to transition from AFROTC cadet to AFROTC officer candidate.  
*Prerequisite: AS 2212.*  
*Co-requisite: AS L213.*
- AS L213 Leadership Laboratory II (2)**  
Leadership laboratory is mandatory for AFROTC cadets and it complements the AS 2213 course by providing cadets with advanced leadership experiences, giving students the opportunity to apply the leadership and management principles.  
*Prerequisite: AS L212.*  
*Co-requisite: AS 2213.*
- AS 3312 Air Force Leadership Studies I (3)**  
The first of two courses that teaches cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors.  
*Prerequisite: AS 2213.*  
*Co-requisite: AS L312.*
- AS L312 Leadership Laboratory I (1)**  
Leadership laboratory is mandatory for AFROTC cadets and it complements the AS 3312 course by providing cadets with advanced leadership experiences in officer-type activities thus giving students the opportunity to apply leadership and management principles.  
*Co-requisite: AS 3312.*
- AS 3313 Air Force Leadership Studies II (3)**  
The second of two courses that teaches cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors.  
*Prerequisite: AS 2212.*  
*Co-requisite: AS L313.*
- AS L313 Leadership Laboratory II (1)**  
Leadership laboratory is mandatory for AFROTC cadets and it complements the AS 3313 course by providing cadets with advanced leadership experiences in officer-type activities thus giving students the opportunity to apply leadership and management principles.  
*Prerequisites: AS 3312/L312.*  
*Co-requisite: AS 3313.*
- AS 4412 National Security Affairs/Preparation for Active Duty I (3)**  
The first of two courses designed for college seniors and gives them the foundation to understand their role as military officers in American society. 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: AS 3313.*

*Co-requisite: AS L412.*

- AS L412 Leadership Laboratory I (1)**  
Leadership laboratory is mandatory for AFROTC cadets and it complements the AS 4412 course by providing cadets with advanced leadership experiences, giving students the opportunity to apply the leadership and management principles.  
*Prerequisites: AS 3313/L313.*  
*Co-requisite: AS 4412.*
- AS 4413 National Security Affairs/Preparation for Active Duty II (3)**  
The second of two courses designed for college seniors and gives them the foundation to understand their role as military officers in American society. 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: AS 4412.*  
*Co-requisite: AS L413.*
- AS L413 Leadership Laboratory II (1)**  
Leadership laboratory is mandatory for AFROTC cadets, and it complements the AS 4413 course by providing cadets with advanced leadership experiences, giving students the opportunity to apply the leadership and management principles.  
*Prerequisites: AS 4412/L412.*  
*Co-requisite: AS 4413.*

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## AMERICAN SIGN LANGUAGE COURSES (ASL)

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- 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: ASL 1141 or Survival Level on the SCPI or permission of instructor.*
- ASL 2210 Deaf Culture and Community**  
An overview of the physical, educational, social, linguistic, and cultural implications of the Deaf community in America with an emphasis on the central role that ASL plays on the lives of Deaf individuals. The objective of this course is to introduce students to the culture of the Deaf community and the role of ASL in that community. Students will be exposed to current educational and vocational programs, legislation, technology, and other issues relating to the Deaf community.
- 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: ASL 1142 or Intermediate on the SCP or permission of instructor.*
- 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: ASL 2241 or Intermediate on the SCPI or permission of instructor.*
- 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.  
*Prerequisites: 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.  
*Prerequisites: Sign Language Proficiency Interview rating of Intermediate Plus, or ASL 2242 with a grade of C or better, or permission of ITP Academic Advisor.*

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### ATHLETIC TRAINING COURSES (AT)

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- AT 1101 Orientation to Athletic Training Program (1)**  
Acquaints the Pre-Athletic Training Education student with the six cognitive domains of athletic training education and the athletic training education competencies.

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### BIOLOGY COURSES (BIO)

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- 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: BIO L100.*
- BIO L100 Principles of Biology Lab (1-2)**  
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: BIO 1100.*
- BIO 1101 Organismal Biology (3)**  
Biological concepts and life processes of protists, fungi, plants, and animals.  
*Prerequisites: BIO 1100/L100.*  
*Co-requisite: BIO L101.*
- BIO L101 Organismal Biology Lab (1-2)**  
Survey of organisms from selected phyla, including anatomy, phylogeny, and life histories.  
*Prerequisites: BIO 1100/L100.*  
*Co-requisite: BIO 1101.*
- 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: 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: 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.  
*Prerequisites: BIO 1100/L100.*  
*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: BIO 1100/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.  
*Prerequisites: BIO 1101/L101.*  
*Co-requisite: BIO L229.*
- BIO L229 General Ecology Lab (1-3)**  
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.  
*Prerequisites: BIO 1101/L101.*  
*Co-requisite: BIO 2229.*
- BIO 3307 Invertebrate Zoology (3)**  
Major and minor phyla of invertebrates with emphasis on anatomy, classification, life histories, and phylogeny.  
*Prerequisites: BIO 1101/L101.*  
*Co-requisite: BIO L307.*
- BIO L307 Invertebrate Zoology Lab (1-3)**  
Anatomy, classification, and life histories of invertebrates.  
*Prerequisites: BIO 1101/L101.*  
*Co-requisite: BIO 3307.*



- BIO 3315 Introduction to Biostatistics (4)**  
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.  
*Prerequisites: BIO 1101/ BIO L101, and MTH 1112 or higher*
- BIO 3320 Genetics (3)**  
Principles of heredity, from basic Mendelian concepts through molecular genetics.  
*Prerequisites: BIO 2220/L220 and CHM 1143/L143.*  
*Co-requisite: BIO L320.*
- BIO L320 Genetics Lab (1-3)**  
Basic laboratory techniques in genetics, including the genetics of common laboratory organisms.  
*Prerequisites: BIO 2220/L220 and CHM 1143/L143.*  
*Co-requisite: BIO 3320.*
- 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.  
*Prerequisites: BIO 1101/L101.*  
*Co-requisite: BIO L325.*
- BIO L325 Plant Form and Function Lab (1-3)**  
The development, structure, and function of plant tissues and organs, with the primary emphasis on structures.  
*Prerequisites: BIO 1101/L101.*  
*Co-requisite: BIO 3325.*
- BIO 3328 Environmental Pollution and Control (3)**  
Sources, effects, and methods of control for air, water, land, and noise pollution.  
*Prerequisites: BIO 2229/L229, CHM 1143/L143.*  
*Co-requisite: BIO L328.*
- BIO L328 Environmental Pollution and Control Lab (1-3)**  
Field and laboratory techniques for air, water, land, and noise pollution.  
*Prerequisites: BIO 2229/L229, CHM 1143/L143.*  
*Co-requisite: BIO 3328.*
- 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.  
*Prerequisites: Junior standing or permission of instructor.*
- 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.  
*Prerequisites: BIO 1100/L100, BIO 2220/ L220, CHM 1142/L142.*  
*Co-requisite: BIO L347.*
- BIO L347 Human Anatomy and Physiology I Lab (1-3)**  
Anatomical terminology, a survey of cell types and tissues, and detailed coverage of the integumentary, skeletal, muscular, and nervous systems of humans.  
*Prerequisites: BIO 1100/L100, BIO 2220/L220, CHM 1142/L142.*  
*Co-requisite: BIO 3347.*
- BIO 3348 Human Anatomy and Physiology II (3)**  
The endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems of humans.  
*Prerequisites: a grade of C or better in BIO 3347/ L347.*  
*Co-requisite: BIO L348.*
- BIO L348 Human Anatomy and Physiology II Lab (1-3)**  
The endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems of humans.  
*Prerequisites: a grade of C or better in BIO 3347/L347.*  
*Co-requisite: 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.  
*Prerequisites: BIO 1100/L100, BIO 2220/L220 and CHM 1142/L142.*  
*Co-requisite: BIO L372.*
- BIO L372 Microbiology Lab (1-3)**  
Fundamentals of microscopy, sterile techniques, staining procedures, isolation techniques, identification of unknowns, and biochemical tests.  
*Prerequisites: BIO 1100/L100, BIO 2220/L220, CHM 1142/L142.*  
*Co-requisite: 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.  
*Prerequisites: BIO 3372/L372, CHM 3342/342.*  
*Co-requisite: BIO L382.*
- BIO L382 Immunology Lab (1-3)**  
Analysis of immunological techniques used in research and clinical settings.  
*Prerequisites: BIO 3372/L372, CHM 3342/L342.*  
*Co-requisite: BIO 3382.*
- BIO 3386 Hematology (3)**  
The study of blood cells and blood-forming organs under normal and diseased states.  
*Prerequisites: BIO 3320/L320, 3372/L372, CHM 3342/L342.*  
*Co-requisite: BIO L386.*
- BIO L386 Hematology Lab (1-3)**  
Cytological and instrumental analyses of blood cells and blood forming organs. Hematological analysis of normal and diseased states. Introduction to blood-banking procedures.  
*Prerequisites: BIO 3320/L320, 3372/L372, CHM 3342/L342.*  
*Co-requisite: BIO 3386.*
- BIO 4405 Entomology (3)**  
Orders of insects with the emphasis on morphology, taxonomy, and life cycles.  
*Prerequisites: BIO 1101/L101.*  
*Co-requisite: BIO L405.*
- BIO L405 Entomology Lab (1-3)**  
Morphology, classification, and identification of insects. A collection is required.  
*Prerequisites: BIO 1101/L101.*  
*Co-requisite: BIO 4405.*

- 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.  
*Prerequisites:* BIO 3320/L320, BIO 3372/L372, CHM 3343/L343  
*Co-requisite:* BIO L407
- BIO L407 Advanced Cell Biology Lab (1)**  
Experimental approaches for studying cells at the biochemical and molecular levels.  
*Co-requisite:* BIO 4407
- BIO 4413 Limnology (3)**  
The physical, chemical, geological, and biological aspects of freshwater ecosystems as influenced by activities in surrounding watersheds.  
*Prerequisites:* BIO 2229/L229, CHM 1143/L143.  
*Co-requisite:* BIO L413.
- BIO L413 Limnology Lab (1-3)**  
Field and laboratory exercises in lake and stream science, including instrumentation, measurement, sampling, and analysis.  
*Prerequisites:* BIO 2229/L229, CHM 1143/L143.  
*Co-requisite:* 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:* BIO 3372/L372.  
*Co-requisite:* 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.  
*Prerequisites:* BIO 3372/L372.  
*Co-requisite:* 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.  
*Prerequisites:* BIO 3372/L372, CHM 3342/L342.  
*Co-requisite:* BIO L416.
- BIO L416 Microbial Ecology Lab (1-3)**  
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.  
*Prerequisites:* BIO 3372/L372, CHM 3342/L342.  
*Co-requisite:* 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:* BIO 3372/L372.  
*Co-requisite:* BIO 4414/L414.
- BIO 4420 Field Vertebrate Zoology (4-7)**  
The basics of vertebrate identification, with emphasis on phylogeny, anatomy, morphology, life histories, habitats, distributions, and conservation.  
*Prerequisites:* BIO 1101/L101, CHM 1143/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.  
*Prerequisites:* BIO 2229/L229, CHM 1143/L143, MTH 2210.  
*Co-requisite:* BIO L421.
- BIO L421 Population Ecology Lab (1-3)**  
Field exercises in identifying ecological problems, formulating and testing hypotheses, and evaluating data using standard statistical methods.  
*Prerequisites:* BIO 2229/L229, CHM 1143/L143, MTH 2210.  
*Co-requisite:* BIO 4421.
- BIO 4425 Field Botany (4-7)**  
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.  
*Prerequisites:* BIO 2229/L229.
- 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 (3)**  
Ecology, evolution, and conservation of birds.  
*Prerequisites:* BIO 1101/L101, 2229/L229.  
*Co-requisite:* BIO L447.
- BIO L447 Ornithology Lab (1-3)**  
Diversity, classification, and field identification of birds (birdwatching).  
*Prerequisites:* BIO 1101/L101, 2229/L229.  
*Co-requisite:* BIO 4447.
- BIO 4451 Toxicology (3)**  
Principles related to the adverse effects of chemicals on living organisms.  
*Prerequisites:* CHM 3342/L342, and BIO 3348/L348.
- BIO L451 Toxicology Lab (1-3)**  
Assessment of the toxicity of chemical agents following standard protocols.  
*Prerequisites:* CHM 3342/L342 and BIO 3348/L348.
- BIO 4455 Clinical Pathophysiology (3)**  
An objective-oriented, problem-solving introduction to general disease processes including mechanisms of health and disease, disorders of organ systems, and developmental disorders.  
*Prerequisites:* CHM 3352/L352, BIO 3348/L348, BIO 3372/L372.  
*Co-requisite:* BIO L455.
- BIO L455 Clinical Pathophysiology 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.  
*Prerequisites:* CHM 3352/L352, BIO 3348/L348, BIO 3372/L372.  
*Co-requisite:* BIO 4455.
- 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.  
*Prerequisites:* BIO 1100 and SCI 2233.

- 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.  
*Prerequisites: 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.  
*Prerequisites: Any 3000-level biology lecture and lab.*  
*Co-requisite: BIO L471.*
- BIO L471 Parasitology Lab (1-3)**  
Laboratory study of parasitic protozoa, helminths, and arthropods, with the emphasis on those of medical importance.  
*Prerequisites: Any 3000 level biology lecture and lab.*  
*Co-requisite: 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: admission to TEP.*  
*Co-requisite: SED 4454 Internship Seminar for Secondary Education.*
- BIO 4476 Special Topics in Biology (1 to 4 credit hours per course per semester)**  
Specialized topics not generally included in course offerings.  
*Prerequisite: 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.  
*Prerequisites: BIO 1101/L101; or BIO 2229/L229.*  
*Co-requisite: BIO L479.*
- BIO L479 Environmental Assessment Lab (1-3)**  
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.  
*Prerequisites: BIO 1101/L101; BIO 2229/L229.*  
*Co-requisite: BIO 4479.*
- BIO 4480 Histology (3)**  
Microscopic anatomy and function of cell types and tissues of mammalian organs.  
*Prerequisites: BIO 1101/L101, BIO 3347/L347, BIO 3348/L348.*  
*Co-requisite: BIO L480.*
- BIO L480 Histology Lab (1-3)**  
Microscopic anatomy of cell types and tissues of mammalian organs.  
*Prerequisites: BIO 1101/L101, BIO 3347/L347, BIO 3348/L348.*  
*Co-requisite: 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: 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.  
*Prerequisites: BIO 3320/L320, 3372/L372, CHM 3343/L343.*  
*Co-requisite: BIO L482.*
- BIO L482 Molecular Biology Lab (1-3)**  
Experimental approaches in molecular analyses of nucleic acids and proteins, with the emphasis placed on common techniques utilized in clinical and research settings.  
*Prerequisites: BIO 3320/L320, 3372/L372, CHM 3343/L343.*  
*Co-requisite: 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: Good standing as a student in the department, advisor/departmental approval, interview.*
- BIO 4488/89/90 Internship in Biological or Environmental Science (1 to 3 credit hours per course per semester)**  
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.  
*Prerequisites: Approval of the student's academic adviser and department chair.*

**BIO 4491-92 Guided Independent Research (1 to 3 ) credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.

**BIO 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.

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### BUSINESS COURSES (BUS)

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**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. May not be taken for credit by business majors.

**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.  
*Prerequisites: SCOB Honors Student and permission of the associate dean.*

**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: Lower-level core.*

**BUS 3382 Business Communication (3)**  
Analysis and composition of business and personal communications including mechanics and content of letters and memoranda.  
*Prerequisite: ENG 1102 or 1104 & 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 Dean of Sorrell College of Business required.  
*Prerequisite: Approval of the instructor and Dean of the Sorrell College of Business of both topic and credit value. No more than six hours of credit may be earned.*

**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: 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: Lower level core, junior standing, completion of at least 12 hours of the business core.*

**BUS 4460 Business Consulting and Research (3)**  
Small business research and problem-solving with related field experience.  
*Prerequisite: Permission of the instructor.*

**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 perspectives. 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: BUS 3382 and Senior Standing*

**BUS 4476 Strategic Management (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.  
*Prerequisites: senior standing; completion of or concurrent enrollment in remaining business core courses.*

**BUS 4480 Business Seminar (3) (required-capstone)**  
This course is a study of the strategic implications of technology and innovation for organizations that operate in a dynamic environment. Emphasis will be placed on understanding emerging organizational and social issues that influence the adoption of technology which, in turn, influences organizations and the society in which they exist. This course serves as the capstone course for the General Business concentration.  
*Prerequisite: Senior standing.*  
*Co-requisite: Recommended that this course be taken concurrently with the BSBA capstone course, BUS 4476.*

**BUS 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Guided Independent Research and Study.  
*Note: This course may not be substituted for any required course. Also see index for "Independent Study and Research."*

**BUS 4499 Internship (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.  
*Note: This course may not be substituted for any required course.*

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**CROSS DISCIPLINE COURSES (CDC)**


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Please consult the index of this catalog to locate additional information regarding cross discipline courses and/or experiential learning credit.

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**CHINESE COURSES (CHI)**


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- CHI 1101** **Introductory Chinese I (3)**  
Introduction to the Chinese language.
- CHI 1102** **Introductory Chinese II (3)**  
Introduction to the Chinese language.  
*Prerequisite: CHI 1101 or permission of instructor.*
- CHI 2201** **Intermediate Chinese I (3)**  
Progressive development of basic language skills in Chinese.  
*Prerequisite: CHI 1102 or permission of instructor.*
- CHI 2202** **Intermediate Chinese II (3)**  
Progressive development of basic language skills in Chinese.  
*Prerequisite: 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 4493/94** **Guided Independent Study (1-3)**  
Additional information is indexed under Independent Study and Research.

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**CHEMISTRY COURSES (CHM)**


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- 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: 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: 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: Pass MTH 1112 with at least a C (or a score of 0, 1, or 5 on the math placement exam).*  
*Co-requisite: CHM L142.*
- CHM L142** **General Chemistry I Lab (1)**  
Experiments dealing with the periodic table, atomic structure, the gas laws, and stoichiometry.  
*Co-requisite: CHM 1142.*
- CHM 1143** **General Chemistry II (3)**  
Acid-base theory, solutions, chemical equilibria, thermodynamics, kinetics, and electrochemistry.  
*Prerequisites: CHM 1142/L142.*  
*Co-requisite: CHM L143.*
- CHM L143** **General Chemistry II Lab (1-3)**  
Experiments in acid-base theory, solutions, chemical equilibria, thermodynamics, kinetics, and electrochemistry.  
*Co-requisite: 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.  
*Prerequisites: CHM 1143/L143.*  
*Co-requisite: CHM L242.*
- CHM L242** **Analytical Chemistry Lab (1)**  
The practice of modern quantitative wet-chemical techniques in analytical chemistry.  
*Co-requisite: CHM 2242.*
- CHM 3342** **Organic Chemistry I (3)**  
An introduction to the chemistry of carbon compounds that develops the theoretical principles underlying organic materials.  
*Prerequisites: CHM 1143/L143.*  
*Co-requisite: CHM L342.*
- CHM L342** **Organic Chemistry I Lab (1)**  
Experimental techniques and skills for preparing, manipulating, and reacting organic molecules.  
*Co-requisite: CHM 3342.*
- CHM 3343** **Organic Chemistry II (3)**  
A continuation of CHM 3342 with emphasis on modern organic synthesis.  
*Prerequisites: CHM 3342/L342.*  
*Co-requisite: CHM L343.*
- CHM L343** **Organic Chemistry II Lab (1)**  
Experimental techniques and skills for preparing, manipulating, and reacting organic molecules.  
*Co-requisite: CHM 3343.*
- CHM 3350** **Principles of Physical Chemistry (3)**  
An introduction to the principles of chemical thermodynamics, reaction kinetics and chemical equilibrium.  
*Prerequisites: CHM 3343; PHY 2253/L253; or PHY 2263/L263.*  
*Co-requisite: CHM L350.*
- CHM L350** **Principles of Physical Chemistry Lab (1)**  
Practical applications of thermochemistry, colligative properties, and reaction kinetics.  
*Co-requisite: 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 nucleic acids.  
*Prerequisites: CHM 3343/L343.*  
*Co-requisite: CHM L352.*
- CHM L352** **Biochemistry Lab (1)**  
This lab illustrates biochemistry lecture material and acquaints the student with biochemistry techniques and equipment.  
*Co-requisite: 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: CHM 3343; PHY 2253 and L253 or PHY 2263 and L263; MTH 1126.*  
*Co-requisite: 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: 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: 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.  
*Prerequisite or Co-requisite: 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.  
*Prerequisites: CHM 2242, 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.*  
*Prerequisites: 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: CHM 3381.*
- CHM L420 Principles of Polymer Chemistry Lab (1)**  
Synthesis, characterization, and analysis of various polymers and copolymers.  
*Prerequisite or Co-requisite: CHM 4420*
- CHM 4440 Travel Study in Chemistry (1-3)**  
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.  
*Prerequisites: CHM 2242, 3381.*  
*Co-requisite: 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: CHM 4444.*
- CHM 4445 Instrumental Analysis (3)**  
The operating principles of modern analytical instrumentation for determining composition and concentration.  
*Prerequisites: CHM 2242, 3343; PHY 2253/L253; or PHY 2263/L263.*  
*Co-requisite: 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: 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.  
*Prerequisites: 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: admission to TEP;*  
*Co-requisite: 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: 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 4491-92 Guided Independent Research (1 to 3 credit hours per course per semester)**  
Additional information is listed under Independent Study and Research in the section on Academic Regulations.
- CHM 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**  
*See index for "Independent Study and Research."*
- CHM 4499 Senior Seminar (1)**  
Principles of preparing and presenting an oral presentation on a selected chemical topic in the current literature.

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### CRIMINAL JUSTICE COURSES (CJ)

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**Note:** *Criminal Justice courses for Fire Science and Emergency Management are listed as FS.*

- CJ 1101 Introduction Criminal Justice (3)**  
Agencies and processes involved in the administration of criminal justice.  
*This course is a prerequisite for all 3000 and 4000 level courses unless waived by student's adviser. This course is required for all non-criminal justice majors seeking the Cyber Security minor or certificate. Criminal Justice majors may not apply this course to the Cyber Security minor or certificate.*
- CJ 1110 Careers in Criminal Justice (3)**  
An exploration of the various options in the criminal justice profession, to include resume building, interviewing and writing.
- 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 Law and 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 Foundations of Emergency 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 emergency 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 emergency management, 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 emergency management. This course addresses development of risk matrices, identification of threat and risk, 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 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 3345 Criminology (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, sociological, psychological, economic, and multidisciplinary.
- 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 3352 Constitutional Law in Criminal Justice (3)**  
Constitutional provisions which are relevant to criminal law and procedure, their construction and development through court interpretation, and their application in criminal proceedings.
- 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: General studies math.*
- 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: General studies math.*
- 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 rule.  
*Prerequisites: None, students are advised to complete CJ 1101 prior to taking this course, if possible.*
- 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 in Criminal Justice (3)**  
An introduction to concepts of ethics and an examination of contemporary ethical issues in the field of criminal justice.
- 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 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 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 (3)**  
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 4470 Criminal Justice Issues in 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 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 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 4473 Computer Forensics (3)**  
This course is an investigation of the field of computer forensics. Students will be provided with introductory level knowledge in the field of computer forensics. Topics to be addressed will include: how to forensically acquire digital evidence, various techniques in analyzing digital evidence, and legally acceptable techniques for preserving and reporting findings from investigations. Students will be exposed to a variety of software and hardware involved in the forensics process.
- 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.  
*Prerequisite: CJ 3380.*



- 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 4488-89-90 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.
- CJ 4491-92 Guided Independent Research (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.
- CJ 4493-94 Guided Independent Study (1 to 3 credit hours per course semester)**  
Additional information is indexed under Independent Study and Research.
- CJ 4499 Senior 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.  
*Prerequisites: Completion of all Criminal Justice core courses.*

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### CLASSICS COURSES (CLA)

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- 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.  
*Prerequisites: ENG 1101, 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.  
*May be repeated once for credit.*
- CLA 4491-92 Guided Independent Research (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.
- CLA 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.

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### COMMUNICATION COURSES (COM)

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- COM 1101 Introduction to Communication (3)**  
This course surveys the historical and cultural impact of human and mass communication including newspapers, magazines, radio, television, sound recordings, motion pictures, and the internet. It features the inventions, innovators, and technology that have driven mass communication development since the introduction of the printing press. It also discusses social effects and ethical concerns of communication.
- COM 2231 Interpersonal Communication (3)**  
Study of theories of communication behavior in relatively unstructured face-to-face situations, including small-group discussion.
- 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 3320 Interviewing and Information (3)**  
Study of the principles and practices of professional and personal interviewing, with an emphasis on oral communication and related topics such as resume writing. In addition, the course will focus on gathering and analyzing information through discussion and practice of the techniques of online research, focus groups and opinion surveys.
- COM 3324 Gender Communication (3)**  
This course examines the communication styles of males and females emphasizing gender-related communication behavior and its implications for the ability to maintain effective personal and professional relationships.
- COM 3326 Conflict Management (3)**  
This course is designed to offer students opportunities to enhance and improve their communication techniques and skills in conflict management. The course teaches students communication methods to manage productively interpersonal disputes between/among parties. It

- emphasizes building partnerships and long-term positive relationships in the business world and in one's personal life.
- COM 3328 International/Intercultural Communication (3)**  
This course is designed to introduce students to the basic concepts, principles, and skills needed for improving communication among persons from different minority, racial, ethnic and cultural 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 3342 Argumentation and Debate (3)**  
Study and application of the principles of argumentation and debate, including selected aspects of the management of a program of competitive forensics.
- 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)**  
This course gives a hands-on, detailed instruction in the art and skills of researching and writing solid speeches, including how to make points clearly and maintain the audience interest. Speechwriting is approached from the perspective of writing speeches for others and for yourself.
- 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.*  
*Prerequisites: Permission of instructor.*
- COM 4400 Special Topics in Communication Studies (1 to 3 credit hours)**  
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)**  
This course will help students develop critical thinking skills through an introduction to the concepts and principles of scientific research in communication and journalism. Some of the topics included in this class are the basics of identifying problems, hypothesis formation, measurement construction, validation, research designs, analysis techniques and proper interpretation of results.  
*Prerequisite: Must have Junior Standing or permission of instructor.*
- COM 4420 Propaganda and Persuasion (3)**  
This course will explore influence techniques in print, graphics, traditional media and social reality as they migrate to interactive spaces. The course will first examine the history and fundamentals of persuasion, influence, and coercion, and then look at how they have been adapted for use in today's interactive contexts. Throughout this course there will be a discussion of the relative ethics of using propagandistic/persuasive techniques for different purposes.
- COM 4422 The Rhetoric of the Civil Rights Movement (3)**  
This course will focus on civil rights discourse and its relationship to equality and participation in the U.S. and other nations worldwide. Using the struggle of African Americans as an instructive exemplar, this course will examine the philosophical concepts, political issues, moral complexities, and discursive characteristics of civil rights rhetoric.
- COM 4424 Rhetorical and Communication Theory (3)**  
This course presents an introduction to rhetorical theory and communication theory; students will gain experience in applying theoretical approaches to practical applications in criticism and analysis of communication. Students will gain insights into how to communicate effectively in writing, visually and orally as well as how to analyze critically communication occurring in a wide array of contexts and for different purposes, from private and interpersonal settings to public and professional arenas.
- COM 4426 Organizational Communication (3)**  
This course presents both historical and current perspectives on the origins and usefulness of organizational theory relating to communication issues; it emphasizes the relationship between organizational life and communication principles; and provides both theory and the opportunity for the practical application of communication skills in a variety of organizational settings.
- COM 4430 Health Communication (3)**  
This course focuses on an examination of the nature, contexts, theories, and selected research shaping health care consumers understanding of health communication issues. It provides an overview of provider-recipient communication, communication in health-care organizations, and public health concerns as they relate to physical, mental, and social health 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 Communications (3)**  
Prepares students for anticipating and managing perceived and real crises faced by communication.
- COM 4491-92 Guided Independent Research (1 to 3 credit hours per course)**  
Additional information is indexed under Independent Study and Research.
- COM 4493-94 Guided Independent Study (1 to 3 credit hours per course)**  
Additional information is indexed under Independent Study and Research.
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- COMPUTER SCIENCE COURSES (CS)**
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- 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, control structures, 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: 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: CS 2250.*
- CS 2265 Advanced Programming I (3)**  
Provides student the opportunity to gain experience and training in an additional high-level language. The course focuses on advanced topics including objects, structures, applets, graphics, exception handling, files, and streaming.  
*Prerequisite: CS 2255.*
- 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: MTH 1112.*
- CS 3320 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: 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: CS 2255, MTH 1125, 2215.*
- CS 3325 Operations Research (3)**  
Introduction to operations research, linear programming, simplex-based sensitivity analysis and duality, linear programming applications, network models, simulation, waiting line models, Markov processes, forecasting, and inventory models.  
*Prerequisites: 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: 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.  
*Prerequisites: CS 2255, MTH 2201, 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, Sourly; Chinese Room, blackboard systems, logic programming, knowledge based systems, scripts and schemas, and heuristic search techniques.  
*Prerequisite: CS 3323 or 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: CS 3323 or 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: MTH 1125.*
- CS 3334 Foundations of Cyber Security (3)**  
Course provides an introduction to cyber security. Topics include security protocols and cryptography; various kinds of cyber threats and defenses; secure software design and development, attack modeling, risk analysis, cybercrime, cyber law, ethics and policies.
- CS 3336 Information Assurance (3)**  
Topics include software security and lifecycle, identity and trust technologies; verification, access control, privacy, personal responsibility intrusion detection, supply chain management.  
*Prerequisites: CS 3325, CS 3334 and CS 3360.*
- 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, OLE, DLL's and custom objects. Emphasis is on finding creative solutions to application problems.  
*Prerequisite: CS 2255.*
- 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: CS 2255.*
- CS 3361 Concepts of Object Oriented Programming II (3)**  
The conceptual framework for object-oriented programming and systems. Topics include classes, data hiding, modularity, inheritance, and reusable code presented through the use of some object-oriented language.  
*Prerequisite: CS 3360.*
- CS 3365 Introduction to Computer Organization and Architecture (3)**  
Organization and operation of computer systems. Topics include hardware components of digital computers, micro-programming, memory management, interrupt organization, addressing modes, and instruction formats.  
*Prerequisite: 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: CS 3323 or 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: CS 3323 or 3330.*
- CS 3375 Foundations of Networking (3)**  
An introduction to the principles of data communications and network systems. Topics to be addressed include standards, topologies, network management, LAN, WAN, Internet, basic communication protocols and introductory level network security.  
*Prerequisite: CS 3310. Students majoring in Applied Computer Science or in the Computer Science Program may not apply this course to the Cyber Security Minor or certificate. Credit will not count toward a major or minor in Computer Science.*
- CS 4401 Advanced Artificial Intelligence (3)**  
A continuation of Fundamentals of AI. A topic of research including logic programming, fuzzy sets genetic algorithms, artificial neural networks, or pattern analysis is included.  
*Prerequisite: CS 3331.*
- CS 4420 Introduction to Database Systems (3)**  
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: CS 3323 or 3330.*
- CS 4443 Web-Based Software Development (3)**  
The essentials of Internet programming. Students will design and write Web page applications utilizing Internet programming techniques including scripting languages and hypertext. Programs will manipulate many forms of data including hypertext, graphics, audio, and video. Students use state-of-the-art development tools and design methods to implement an enterprise web application.  
*Prerequisite: CS 3323 or 3330.*
- CS 4445 Data Communication and Networking (3)**  
An overview of local-area and wide-area systems. Issues discussed include standards, topologies, management, communication protocols, and security.  
*Prerequisite: CS 3323 or 3330. Students majoring in Applied Computer Science or in the Computer Science Program may not apply this course to the Cyber Security minor or certificate.*
- 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: CS 3323 or 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: CS 3323 or 3330.*
- CS 4449 Applied Networking (3)**  
Computer networks and the use of computer networks in industry environments. Topics covered include client-server networks, network hardware and software, distributed computing, user requirements, considerations in physical media and topology, selection of Network Operating Systems (NOS), computing platforms, network administration, applications software, internetworking components, and key issues in network management.  
*Prerequisite: CS 3375 or CS 4445.*
- 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: CS 3323 or 3330.*
- CS 4452 Cyber Security Policies and Compliance (3)**  
Course introduces cyber policies, including cyber law, cyber policy, intellectual property, privacy, professional responsibility, and global societal impacts.  
*Prerequisite: 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.  
*Prerequisite: CS 3323.*
- CS 4454 Secure Software Development (3)**  
Topics include Software Development Life Cycle (SDLC), Vulnerability Mapping, Security requirement planning, threat analysis, software testing.  
*Prerequisite: 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: CS 4445.*
- CS 4461 Software Engineering II (3)**  
This course is a continuation of Software Engineering I with additional topics that include software quality insurance and testing techniques. Students will design, implement and test a large project.  
*Prerequisite: CS 3332.*
- CS 4462 Special Topics in Object-Oriented Programming (3)**  
This course is a continuation of CS 3361. It presents the conceptual framework for the design of object-oriented systems. Topics include re-factoring designs and design patterns, presented through the use of some object-oriented language.  
*Prerequisite: CS 3361.*

CS 4495	<p><b>Special Topics in Computer Science (3)</b> Topics in computer science that are not included in regular course offerings. Specific contents are announced in the course schedule for a given term. <i>Prerequisites: senior standing or consent of instructor.</i></p>	DAN 1137	<p><b>Tap I (1)</b> Progressive development of beginning to low/intermediate movement concepts, skills, vocabulary, and styles specific to tap dance.</p>
CS 4499	<p><b>Internship in Computer Science (1-3)</b> 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. <i>Prerequisites: Chair's/Program Director's Approval Needed.</i></p>	DAN 1150	<p><b>Creative Habit (1)</b> 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 <i>The Creative Habit</i>, the learning community examines strategies for successful studies in theatre and dance. <i>Co-requisites: THE 1130 and TROY 1101.</i></p>
CS 4480	<p><b>Study Abroad in Computer Science (1-3)</b> The Computer Science Study Abroad provides students with the opportunities to take computer science courses at universities overseas. <i>Prerequisites: Chair's/Program Director's Approval Needed.</i></p>	DAN 2200	<p><b>Orientation to Dance (2)</b> 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.</p>
CS 4410	<p><b>Introduction to Machine Learning (3)</b> 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. <i>Prerequisite:</i></p>	DAN 2212	<p><b>Contemporary Technique II (2)</b> 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. <i>Prerequisite: Placement.</i></p>
<hr/> <b>DANCE COURSES (DAN)</b> <hr/>			
DAN 1112	<p><b>Contemporary Technique I (2)</b> 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. <i>Prerequisite: Placement.</i></p>	DAN 2214	<p><b>Pointe Ballet Technique I (2)</b> 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.</p>
DAN 1115	<p><b>Ballet Technique I (2)</b> 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. <i>Prerequisite: Placement.</i></p>	DAN 2215	<p><b>Ballet Technique II (2)</b> 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. <i>Prerequisite: Placement.</i></p>
DAN 1130	<p><b>Social Dance in the 21st Century (1)</b> A cross-cultural survey of theories and styles of dance, their relationship to societal contexts and other art forms.</p>	DAN 2232	<p><b>Contemporary II (2)</b> 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. <i>Prerequisite: Audition placement or permission of the Department of Theatre and Dance.</i></p>
DAN 1132	<p><b>Beginning-Intermediate Contemporary for Non majors (1)</b> 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. <i>Prerequisite: Placement.</i></p>	DAN 2235	<p><b>Intermediate-Beginning Ballet: Non-majors (2)</b> 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. <i>Prerequisite: Placement.</i></p>
DAN 1134	<p><b>Ballroom Dance</b> 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.</p>	DAN 2236	<p><b>Jazz II (2)</b> The study and application of the fundamental concepts, skills, movement vocabulary and artistic expression specific to jazz dance. <i>Prerequisite: Placement.</i></p>
DAN 1135	<p><b>Ballet I (1)</b> 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.</p>	DAN 2237	<p><b>Tap II (1)</b> Progressive development of intermediate to intermediate/high movement concepts, skills, vocabulary, and styles specific to tap dance. <i>Prerequisite: Placement.</i></p>
DAN 1136	<p><b>Jazz I (1)</b> The study and application of the fundamental concepts, skills, movement vocabulary, and artistic expression specific to beginning jazz dance.</p>	DAN 2250	<p><b>Music Fundamentals for Theatre and Dance (2)</b> Fundamental music skills for theatre and dance, including those for musical theatre, stage management, dance, and actors. The course focuses</p>

- 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 Dance Practicum I (1)**  
This course is designed to provide the student individual practical performance, choreographic, teaching, or dance industry support.
- 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-20<sup>th</sup> century including that of Gene Kelly, Fred Astaire, Jerome Robbins, and other icons of this period.  
*Prerequisites: 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: 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: 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: Placement.*
- DAN 3330 Special Topics in Dance (1 to 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: 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 Placement.*
- DAN 3336 Jazz III (2)**  
The study of the advanced concepts, skills, movement vocabulary and artistic expression specific to jazz.  
*Prerequisite: 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: 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: 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 20<sup>th</sup> century (1975 forward) and contemporary dance and movement styles related to theatre productions.  
*Prerequisite: 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: Permission of instructor.*
- DAN 3389 Dance Practicum II (2)**  
A highly individualized practical experience course designed for the student to continue work in choreography, teaching, performance, production, design, or management with the purpose of focusing on career plans.  
*Prerequisite: DAN 2289.*
- DAN 4400 Repertory Ensemble (1)**  
Designed for auditioned members of the TROY Dance Repertory Ensemble.  
*Prerequisite: Audition or invitation.*
- DAN 4410 Dance History I (3)**  
A survey of dance history from the 16<sup>th</sup> through the 19<sup>th</sup> centuries, DAN 4410 examines the evolution of dance forms which have been influenced by both cultural world dance and ballet, focusing on the rise of ballet as a communicative art form. It will explore the theoretical underpinnings of these forms as they have shaped dance today.
- DAN 4411 Dance History II (3)**  
A survey of the purposes, functions, and manifestations of American and European dance forms from the beginning of the 20<sup>th</sup> 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 20<sup>th</sup> and 21<sup>st</sup> 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: 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: 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: DAN 3340 passing with a grade of C or higher.*
- DAN 4480 Pedagogy (3)**  
Exploration of teaching methods in dance that can be adapted to diverse populations and to use these methods in classroom teaching situations, offering the student simulated hands-on experience.

Through experiential pedagogy, students will gain a deeper appreciation for the instructor and develop a more thoughtful approach to taking class. This course is designed to provide students with the ability to integrate their professional studies of technical and conceptual content knowledge with pedagogical content knowledge related to dance.

- DAN 4489 Dance Practicum III (2)**  
A final departmental assessment course for the dance major to include the exit exam, this course completes the broad based strategies for career development.  
*Prerequisite: DAN 3389.*

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## EARLY CHILDHOOD EDUCATION (ECE)

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- 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: 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's 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: 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: 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: 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: 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: 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: admission to TEP;*  
*Co-requisite: 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: admission to TEP.*  
*Co-requisite: ECE 4454.*

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### INTERNATIONAL ECONOMIC DEVELOPMENT COURSES (ECD)

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- 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.

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### ECONOMIC COURSES (ECO)

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- 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.  
*Prerequisites: SCOB Honors Student/permission of the Associate Dean*
- ECO 2254 Honors Principles of Microeconomics (3)**  
Microeconomics theories of value, production, distribution of income, and basic international economic analysis for the superior student.  
*Prerequisites: SCOB Honors Student/permission of the Associate Dean.*
- 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: 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: 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: ECO 2251 and ECO 2252.*
- ECO 3355 Labor Economics (3)**  
Employment, unionism, labor-management relations and human capital.  
*Prerequisite: 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.  
*Prerequisites: ECO 2251, ECO 2252.*
- 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.  
*Prerequisites: ECO 2251, 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.  
*Prerequisites: ECO 2251, 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.  
*Prerequisites: ECO 2251, 2252, AND MTH 1125, or 2201.*
- ECO 3365 History of Economic Thought (3)**  
This course surveys the main schools in the history of the development of economic thought.  
*Prerequisite: ECO 2251, 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: ECO 2251 & ECO 3352.*
- ECO 4451 Economics of Globalization (3)**  
Principles underlying international trade and international finance.  
*Prerequisite: ECO 2252 & Lower-level core.*
- ECO 4452 Environmental Economics (3)**  
Theoretical and empirical examination of natural resource and environmental economics.  
*Prerequisite: 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: 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: ECO 2251, 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 21<sup>st</sup> century.  
*Prerequisite: ECO 2251 or 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: ECO 2251, 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: ECO 2251, 2252 and QM 2241, or SS 3376, or MTH 2210.*
- ECO 4458 Law & Economics (3)**  
An economic analysis of the legal system that explores the efficiency of different legal decisions.  
*Prerequisite: ECO 2251, 2252.*
- ECO 4459 Economics Seminar (3)**  
Current problems in economics.  
*Prerequisite: 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.  
*Prerequisites: ECO 3351, 3352.*
- 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.  
*Prerequisites: 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.  
*Prerequisites: ECO 2251, 2252, AND MTH 1125, or 2201.*
- ECO 4463 Honors Economics of Globalization (3)**  
Principles underlying international trade and international finance.  
*Prerequisites: ECO 2252 and lower-level core and SCOB honors student*
- 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.
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- EDUCATION COURSES (EDU)**
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- 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. A minimum of 10 hours of field experiences is a required component of this course.
- 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 21<sup>st</sup> 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*  
*Prerequisites: admission to TEP; must have taken or be concurrently enrolled in ELE 3361, ELE 3362*  
*Co-requisite: EDU L308.*
- EDU L308 Integrated STEM Lab (1)**  
Science, technology, engineering, and mathematics (STEM) literacy is a critical component of 21<sup>st</sup>

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*  
*Prerequisites: admission to TEP; must have taken or be concurrently enrolled in ELE 3361, ELE 3362*  
*Co-requisite: EDU 3308.*

**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 3390 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 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: admission to TEP.*

**EDU 4491-92 Guided Independent Research (1 to 3 credit hours)**  
 Undergraduate research with attention to critical evaluation of research techniques, methods and procedures.

*Prerequisites: 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. May not be used to repeat a course for which a grade of D or below has been earned. 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."*

**EDU 4493-94 Guided Independent Study (1 to 3 credit hours)**  
 Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills.

*Prerequisites: junior or senior status, permission of guiding professor, approval of department chair and the 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. May not be used to repeat a course for which a grade of D or below has been earned. Also see index for "Independent Study and Research."*

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## EDUCATIONAL, ADMINISTRATION & LEADERSHIP (EAL)

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**EAL 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.

**EAL 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.

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## ELECTRONIC ENGINEERING TECHNOLOGY (EET)

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**EET 2210 Electronic Devices and Materials (3)**  
 Topics covered include semiconductor energy band diagrams, bulk properties, conduction mechanism, Haynes-Shockley experiment, p-n junction characteristics, low frequency model, transient response and breakdown mechanism, Zener diode, step-recovery diode, tunnel diode, backward diode, Schottky diode, LED and photodiodes, and metal-semiconductor junctions. If time permits, selected topics from bipolar junction transistors, current flow, amplification, switching, metaloxide-semiconductor structures, MOSFETs, and device scaling will be covered as well.  
*Prerequisites: PHY 2263, PHY L263.*

**EET 2215 Analog Circuits and Systems (3)**  
 Topics covered include semiconductor diodes, bipolar junction transistors and MOSFETs, half and full-wave rectifiers, filters, regulated power supplies, biasing circuits of BJT, FET, MOSFET, RC and DC coupled amplifiers, wide-band and tuned amplifiers, active impedance transformers, power amplifiers, impedance matching, feedback amplifiers, RC and LC oscillators, blocking oscillators, characteristics, limitations and applications of OP-AMPS, voltage regulators, timers, analog to digital converters and vice versa will be discussed as well.  
*Prerequisites: EET 2210.*  
*Co-Requisites: EET L215.*

**EET L215 Analog Circuits and Systems Lab (1)**  
 This course is focused on experimentation, design, analysis and verification of analog circuits. Lab topics include but are not limited to diodes, transistors, op-amps, and oscillators. Students will also learn to use various instrumentation to build and test analog circuits.  
*Co-requisites: EET 2215.*

**EET 3315 Digital Circuits and Systems (3)**  
 Topics covered include design of combinational functions using standard logic gates, combinational

- functions, sums of product and product of sums representation, function minimization and realization concepts, prime implicants. Additional topics include advanced concepts in combinational circuits, decomposition of switching functions, modular realization of switching circuits, sequential functions and circuits, and memory elements.  
*Prerequisites: EET 2215, EET L215.*
- EET L315** *Co-requisites: EET L315.*  
**Digital Circuits and Systems Lab (1)**  
 This course is focused 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.  
*Co-requisites: EET 3315.*
- EET 3320** *Co-requisites: EET 3315.*  
**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, electro-dynamometers in power measurements, bridge DC measurements, bridge AC measurements, transducers concepts and types, oscilloscope principles and applications in measurements.  
*Prerequisites: 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, electro-dynamometers in power measurements, bridge DC measurements, bridge AC measurements, transducers concepts and types, oscilloscope principles and applications in measurements.  
*Prerequisites: PHY 3320.*
- EET 4415**  
**Automation and Control (3)**  
 Topics covered include but are not limited to, the concept of control systems open-loop and closed-loop control, PI and PID controllers relays, transistors, thyristors, sensors, DC motor control, stepper motor control, programmable logic controllers (PLCs), and the applications of control systems.  
*Prerequisites: EET 3315, EET L315.*
- EET L415**  
**Automation and Control Lab (1)**  
 Lab course is focused on exercising the concepts learned in course titled automation and control. Students will learn to use motor control, PLCs, sensors, transistors etc., during the lab work.  
*Co-requisite: EET 4415.*
- EET 4420**  
**Fundamentals of Microcontrollers**  
 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.  
*Prerequisites: 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 generators, RC measurement etc. The course also has a project where students are expected to build and implement a microcontroller.  
*Co-requisite: EET 4420.*
- 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.  
*Prerequisites: EET 3315, EET L315.*
- EET 4430**  
**Optical Electronics (3)**  
 Topics covered include devices and applications of optoelectronics, photonic waveguides, Gaussian beam propagation, interaction of light and matter, spontaneous and stimulated emission, laser rate equations, semiconductor lasers, optical detectors, amplifiers, modulators and switches.  
*Prerequisites: PHY 3359, PHY L359, EET 2210.*
- 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.  
*Prerequisites: EET 2215, 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.  
*Prerequisites: EET 2215, EET 3315.*
- EET 4490**  
**Travel Study in Electronics Engineering Technology (1-3)**  
 Supervised investigation of relevant topics in Electronics Engineering Technology through travel -study abroad or within the interior of the United States.
- 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.
- EET 4499**  
**Electronic Engineering Technology Capstone (3)**  
 Project base course that will incorporate ideas of deliverables, risk, cost and milestones. Project must terminate in a written report and a prototype of the deliverable.  
*Prerequisites: Permission of Instructor.*
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- ELEMENTARY EDUCATION COURSES  
(ELE)**
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- 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: admission to TEP.*  
*Co-requisite: ELE L360.*
- 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: admission to TEP.*  
*Co-requisite: ELE 3360.*
- ELE 3361** **Teaching Natural Science (3)**  
 This course provides a study of the varied dimensions of instruction in natural sciences. Emphasis is placed on appropriate instruction and resources, including technology for the instruction of students in grades K-6.  
*Prerequisite: admission to TEP.*  
*Co-requisite: ELE L361.*

- 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: admission to TEP.*  
*Co-requisite: ELE 3361.*
- ELE 3362 Teaching Mathematics (3)**  
This course provides a study of the varied dimensions of instruction in mathematics. Emphasis is placed on appropriate instruction and resources, including technology for the instruction of students in grades K-6.  
*Prerequisites: admission to TEP, completion of MTH 2251 or MTH 2252 with a grade of C or better.*  
*Co-requisite: ELE L362.*
- ELE L362 Teaching Mathematics Lab (1)**  
This course includes Lab/Field-oriented experiences designed to enhance understanding of varied dimensions of instruction in mathematics.  
*Prerequisites: admission to TEP, completion of MTH 2251 and 2252 with a grade of C or better.*  
*Co-requisite: ELE 3362.*
- 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: admission to TEP.*  
*Co-requisite: 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: admission to TEP.*  
*Co-requisite: ELE 4454.*
- ELE 4491-92 Guided Independent Research (1 to 3 credit hours)**  
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures.  
*Prerequisites: 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. May not be used to repeat a course for which a grade of D or below has been earned. 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."*
- ELE 4493-94 Guided Independent Study (1 to 3 credit hours)**  
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills.  
*Prerequisites: junior or senior status, permission of guiding professor, approval of department chair and the 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. May not be used to repeat a course for which a grade of*

*D or below has been earned. Also see index for "Independent Study and Research."*

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## ENGLISH COURSES (ENG)

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- 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 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 first 30 hours of enrollment.  
*Prerequisite: 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: ENG 1101 or equivalent.*
- ENG 1103 Honors English Composition I (3)**  
Introductory study and practice of composition for the superior student.  
*Prerequisite: Minimum English score of 27 on the ACT or 640 on the SAT, or recommendation by an 1101 instructor.*
- ENG 1104 Honors English Composition II (3)**  
Continuation of study and practice of composition for the superior student.  
*Prerequisite: Minimum grade of C in ENG 1103 or recommendation by a 1101 or 1102 instructor.*
- 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: 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: 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: 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: 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: 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: ENG 1102 or equivalent.*
- ENG 2244 British Literature before 1785 (3)**  
A survey of British literature from its beginning to 1785.  
*Prerequisite: ENG 1102 or equivalent.*
- ENG 2245 British Literature after 1785 (3)**  
A survey of British literature from 1785 to the present.  
*Prerequisite: ENG 1102 or equivalent.*
- ENG 2260 Introduction to Technical and Professional Writing (3)**  
Technical communications for science, 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 3300 and 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: 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: 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: 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: 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.  
*Prerequisites: ENG 1101, 1102.*
- ENG 3326 Science Fiction (3)**  
An exploration of the literary, social, and generic importance of science fiction.  
*Prerequisite: six semester hours of 2000-level English courses.*
- ENG 3341 Advanced Grammar I (3)**  
Detailed study of the structural system of English grammar.  
*Prerequisite: 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: 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: 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: 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: 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: 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: 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: 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: 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: 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: 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: 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: 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.
- 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.
- 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: six semester hours of 2000-level English courses.*
- ENG 4401 Chaucer (3)**  
Study of Chaucer's major poetry.  
*Prerequisite: 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: 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: six semester hours of 2000-level English courses.*
- ENG 4404 Milton (3)**  
Milton's poetry and major prose.  
*Prerequisite: 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: 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: 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.  
*Prerequisites: 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: 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: 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: 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: 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: 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: 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: 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.  
*Prerequisites: Six semester hours of 2200-level English courses; ENG 3351 or permission of instructor. Note: may be taken for credit no more than two times.*
- ENG 4421 English Novel (3)**  
Selected 18th.  
*Prerequisite: 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.  
*Prerequisites: Six semester hours of 2000-level English courses.*
- ENG 4426 Modern Poetry (3)**  
*Study of 20th- and 21st-century poetry.*  
*Prerequisite: 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 influencing the literary marketplace. Course readings may vary with each offering.  
*Prerequisite: 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: 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: 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: 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: 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: 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: 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 in selected works from the New and Old Testaments.  
*Prerequisite: Six semester hours of 2200-level ENG 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: 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: 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.  
*Prerequisites: 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: 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: 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.  
*Prerequisites: 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: 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: 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: 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: 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.

**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 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: admission to TEP.*

*Co-requisite: 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

*Prerequisites: Six semester hours of 2000-level English 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: 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: 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: ENG 3352, 3353 or permission of instructor.*

**ENG 4490 Professional Writing Internship (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: ENG 2260, and completion of at least three required courses and three electives in the major, or permission of instructor.*

**ENG 4491-94 Guided Independent Research and Study (3)**

Thorough examination of material on a selected subject, requiring a documented research paper. Additional information indexed under "Guided Independent Research and Study."

*Prerequisite: six semester hours of 2000-level English courses. Note: Students who need regimentation of regular classroom to do good academic work should not attempt these courses. Also see index for "Independent Study and Research."*

**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: senior status.*

**ENG 4498-99 Honors Research and Writing (1 credit hour per course per semester)**

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.

*Prerequisite: 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.*

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**ENTREPRENEURSHIP (ENT)**

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**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 Innovation by Design (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.

*Prerequisites: ENT 2200*

**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.

*Prerequisites: ENT 2210*



- 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.  
*Prerequisites: ENT 2210*
- ENT 4480 Entrepreneurship Capstone (3)**  
Entrepreneurship Capstone is the culmination of the Troy Bank & Trust Entrepreneurship Program, this capstone course focuses on tying together the functional aspects of an entrepreneurial initiative to position it for growth and longevity. Students will compile a strategy for starting their business, from planning to implementation.  
*Prerequisites: ENT 2210, ENT 3300, and ENT 3320*

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### ENGLISH AS A SECOND LANGUAGE (ESL)

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For more information, see the index for English as a Second Language Program.

- 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 students will 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.

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### FINANCE COURSES (FIN)

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- 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.  
*Prerequisites: Lower-level Core, ACT 2291, MTH 1112, and QM 2241.*

- 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.  
*Prerequisites: FIN 3331.*
- FIN 3333 Financial Mathematics (3)**  
Analysis of time value of money as it applies to loans, securities, banks, annuities, and insurance.  
*Prerequisite: 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: FIN 3331.*
- FIN 3336 Real Estate Finance I (3)**  
Procedures and operations of real estate mortgage markets.  
*Prerequisite: FIN 3331.*
- 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.  
*Prerequisites: 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: 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.  
*Prerequisites: 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: 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: 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: 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: FIN 4432.*
- FIN 4437 Financial Institutions (3)**  
A comprehensive study of financial markets, institutions, instruments, etc.  
*Prerequisite: FIN 3331.*
- 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.  
*Prerequisites: FIN 4431, and FIN 4437.*
- FIN 4440 Real Estate Finance II (3)**  
Second course in a sequence on real estate finance. Continuation of FIN 3336.  
*Prerequisite: 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: FIN 3331.*
- FIN 4491-92 Guided Independent Research (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.  
*Note: This course may not be substituted for any required course.*
- FIN 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.  
*Note: 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.
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- FIRE SCIENCE AND EMERGENCY MANAGEMENT COURSES (FS)**
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- FS 3300 Introduction to Fire Science (3)**  
An Introduction to the science of public fire protection, with a review of the role, history and philosophy of the fire service in the United States. Includes career orientation and a discussion of current and future problems in fire protection. Note: This class is offered as an Internet-based class and as a classroom-based class.
- FS 3305 Community Risk Reduction for Emergency Services (3)**  
This course provides an overview of Community Risk Reduction in which the student will be able to identify risks and hazards as well as develop programs to help prevent or mitigate manmade and natural incidents and disasters. The course will examine current issues affecting the health and safety of communities and develop a plan to apply learned methodologies to reduce risk. Case studies, exercises are discussions will be used to encourage critical review of the philosophy and application of

- community risk reduction. This course addresses the development of risk matrices, identification of community health threats and developing initiatives to help lower exposure to the risks identified.
- FS 3310 Fire and Emergency Services Administration (3)**  
This course provides an overview for fire and emergency services administration. This course demonstrates the importance of the following fundamental concepts necessary to effectively manage and lead a fire and emergency services organization while dealing the challenges and changes of the 21<sup>st</sup> century. Accountable budgeting, Anticipation of challenges, Organizational management, Persuasion and influence, Organizational changes, Analytical problem solving. A central part of the course focuses on how the leadership of a fire and emergency services organization develops and maintains both internal and external cooperation to create a coordinated approach to achieving the organization's mission.
- FS 3315 Financial Management in Fire and Emergency Services (3)**  
This course introduces principles and practices of budget and finance, and combines them with the methods and techniques of both oral and written communication. The course is intended to prepare students for tasks and challenges related to fire and emergency services financial management, and to effectively communicate those business-related matters through either presentations or documents. This course equips students with competence in the use of budgeting terminology, innovations in budget preparation, and the linkage of the role of technology in shaping budget preparation and administrative implementation. The focus is to have the student appreciate the importance of sound fiscal budgetary practices within the fire and emergency service settings and the ability to present presentations professionally.
- FS 3320 Arson Investigation (3)**  
An analysis of incendiary fire investigation from the viewpoint of the field investigator, with an emphasis on the value of various aids and techniques in the detection of arson, collection and preservation of evidence, investigation, interrogation, related laws of arson, court appearance and testimony.

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### FRENCH COURSES (FRN)

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*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: 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: 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: 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: Permission of instructor.*

- FRN 3311 French Culture on Location II (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: Permission of instructor.*
- FRN 4491/92 Guided Independent Research (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.
- FRN 4493/94 Guided Independent Study (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.

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### GAME DESIGN AND DEVELOPMENT COURSES (GDD)

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- 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: 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.  
*Prerequisites: Either HIS 2210/GDD 2210 History Through Games OR GDD 3310/HIS 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.  
*Prerequisites: 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: 15 hours of Game Design and Development minor coursework, including GDD 3320 Game Development.*

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### SURVEYING AND GEOMATICS SCIENCES COURSES (GEM)

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- 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: 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.  
*Prerequisites: 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.  
*Co-requisite: GEM 2220.*
- 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: 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.  
*Co-requisite: GEM 3309.*
- 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: 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: 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: GEM 2220.*  
*Co-requisite: GEM L330.*
- GEM L330 Advanced Measurement Analysis Lab (1)**  
Field laboratory experience using EDM 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: 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.  
*Prerequisites: MTH 1125, MTH 2210, MTH 2230, GEM 3330.*
- GEM 3391 Application of Geospatial Information Science (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: GEM 3390.*
- 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.  
*Prerequisites: GEM 2220, 2.0 overall grade point average, and approval of the Geomatics Program Director.*
- 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.  
*Prerequisites: GEM 3330.*  
*Co-requisite: 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: GEM 4405.*
- GEM 4407 Land Development (3)**  
Explores the concepts and problems associated with the design and construction of subdivisions and related infrastructure.  
*Prerequisites: GEM 4409.*  
*Co-requisite: 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: 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.  
*Prerequisites: MTH 1125.*
- 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.  
*Prerequisite: GEM 3330.*
- 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.  
*Co-requisite: GEM 4409.*
- 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: GIS 3390.*
- GEM 4490 Geomatics Capstone (1)**  
This course prepares students for the national Fundamentals of Surveying exam to cover all aspects of the exam.  
*Prerequisite GEM 4409*
- GEM 4493 Guided Independent Study (1-3)**  
Supervised study through creative field and laboratory projects in the Surveying and Geomatics field. A written request is to be submitted to the guiding professor and Program Director at least two weeks in advance of the term in which the study is to be undertaken. This study is NOT to be used to repeat a course for which a grade of 'D' or below has been earned. Application forms are available in the office of University Records. For more information see index for "Independent Study and Research".  
*Prerequisites: GPA of 3.0, permission of guiding professor, approval of Geomatics Program Director, Department Chair, and Dean.*
- GEM 4494 Guided Independent Study (1-3)**  
Supervised study through guided readings, creative endeavors in the Surveying and Geomatics field. A written request is to be submitted to the guiding professor and Program Director at least two weeks in advance of the term in which the study is to be undertaken. This study is NOT to be used to repeat a course for which a grade of 'D' or below has been earned. Application forms are available in the office of University Records. For more information see index for "Independent Study and Research".  
*Prerequisites: GPA of 3.0, permission of guiding professor, approval of Geomatics Program Director, Department Chair, and Dean.*
- 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.

*Prerequisites: 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, array the data, analyze the data, state conclusions, and write a final report based on the analysis and conclusions.  
*Pre-requisite: GEM 4409.*

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## GEOGRAPHY COURSES (GEO)

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- GEO 2210 World Regional Geography (3)**  
Physical and cultural features, economy, and populations of the geographic regions of the world.
- 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 3307 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 or least 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 3312 Geography of Latin America (3)**  
An analysis of the major physical and cultural aspects of Middle and South America.
- GEO 3326 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 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 4415 North American Geography (3)**  
Survey of agricultural, industrial, and commercial development of Anglo-America. Covers physical and cultural environment, resource distribution, economy, and population characteristics.
- 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 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 4491-92 Guided Independent Research (1 to 3 credit hours per course per semester)**  
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures.  
*Prerequisites: 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. 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."*
- GEO 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**  
Supervised study through field and laboratory projects, guided readings, creative endeavors or achievement of specific skills.  
*Prerequisites: 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. 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."*

- GEO 4498 Honors Independent Study (1 to 3 credit hours)**  
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.

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### GERMAN COURSES (GER)

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*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: GER 1121 or permission of instructor.*
- GER 2221 Intermediate German I (3)**  
Emphasis on basic language skills and knowledge of German culture.  
*Prerequisite: GER 1122 or permission of instructor.*
- GER 2222 Intermediate German II (3)**  
Emphasis on basic language skills and knowledge of German culture.  
*Prerequisite: GER 2221 or permission of instructor.*
- GER 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.

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### GREEK COURSES (GRK)

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*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: GRK 1111 or permission of instructor.*

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### GEOGRAPHIC INFORMATION SYSTEMS

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- 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.
- 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 3320 GIS in the Social Sciences (3)**  
This course will introduce you to Geographic Information Systems (GIS) and some of the basic techniques used in the analysis of spatial data. Particular attention is given to mapping data using geographic information systems, a technology with a wide range of applications.
- 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: GIS 3390*
- 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 Science (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: 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: 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: 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: 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.
- 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: Senior standing*
- GIS 4496 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: GIS 3391*
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- ### HISTORY COURSES (HIS)
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- 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: Permission of department chair.*
- HIS 1104 Honors Western Civilization II (3)**  
Chronological coverage same as HIS 1102. Enrollment restricted to superior students.  
*Prerequisite: 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: Permission of department chair.*
- HIS 1114 Honors U.S. since 1877 (3)**  
Chronological coverage same as HIS 1112. Enrollment restricted to superior students.  
*Prerequisite: 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: 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: 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 American'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 through 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.
- HIS 2280 Travel Study in History (1-3)**  
Supervised investigation of relevant topics in history through travel-study abroad or within the interior of United States.  
*Prerequisite: Permission of instructor. Course may be repeated with permission of instructor.*
- 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: HIS 1111 and 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: HIS 1111 and 1112 or permission of instructor.*
- 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.  
*Prerequisites: HIS 1111 and 1112 or permission of instructor*
- HIS 3320 Colonial Latin America (3)**  
Study of the history of Latin America from the pre-Columbian times to the beginning of the independence movements of the early 19<sup>th</sup> century. Topics will include the indigenous populations, European colonialism and its effects, and the causes and early development of revolution.  
*Prerequisites: HIS 1122 or HIS 1123 or permission of instructor.*
- HIS 3321 Modern Latin America (3)**  
Study of Latin America from the early 19<sup>th</sup> century to the present. Topics will include the cultural, social, political, and economic developments as well as international and U.S. relations in the area.  
*Prerequisites: HIS 1122 and HIS 1123 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.  
*Prerequisites: HIS 1101 and 1102 or HIS 1122 and 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.  
*Prerequisites: 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  
*Prerequisites: HIS 1111 and HIS 1112 or permission of instructor.*
- HIS 3352 History of Africa (3)**  
A survey of 19<sup>th</sup> and 20<sup>th</sup> century political, social, and cultural history of the region, including the partition of Africa by European powers and decolonization.  
*Prerequisites: HIS 1101 and 1102 or HIS 1122 and 1123 or permission of instructor.*
- HIS 3360 Introduction to Archives: Theory and Issues (3)**  
This course will introduce students to the history and social value of records and archives, to the theory underlying professional archival practice, and to the application of archival theories in the digital world.
- 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. Prerequisite: Nine semester hours of history surveys including one of the freshman/sophomore-level series. Note: Students must receive a grade of C or better for credit toward completion of degree requirements.*
- 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  
*Prerequisite: Permission of Instructor  
May be repeated for credit with 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.  
*Prerequisites: HIS 1101 and 1102 or HIS 1122 and 1123 or permission of instructor.*
- HIS 4402 Europe from 1815-1900 (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.  
*Prerequisites: HIS 1101 and 1102 or HIS 1122 and 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.  
*Prerequisites: 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.  
*Prerequisites: HIS 1111 and 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.  
*Prerequisites: HIS 1111 and 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.  
*Prerequisites: HIS 1111 and HIS 1112 or permission of instructor.*
- HIS 4409 Infectious Diseases and History (3)**  
The courses 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.  
*Prerequisites: 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.  
*Prerequisites: 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.  
*Prerequisites: HIS 1111 and 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.  
*Prerequisites: HIS 1111 and 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.  
*Prerequisites: HIS 1111 and 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.  
*Prerequisites: HIS 1111 and 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.

*Prerequisites: HIS 1111 and 1112 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.

*Prerequisites: HIS 1111 and 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: HIS 1111 and 1112 or permission of instructor.*

**HIS 4422 Gender History in America (3)**

An introduction to the history of gender in America from the 17<sup>th</sup> century to the present, exploring the major economic, religious, social, and political ideas and developments which have shaped conceptions about gender in American history.

*Prerequisites: HIS 1111 and 1112 or permission of instructor.*

**HIS 4423 American Diplomatic History (3)**

A study of the factors, forces, and functions in the making of American foreign policy from the 1760s to the present.

*Prerequisites: HIS 1111 and HIS 1112 or permission of instructor.*

**HIS 4425 Principles of 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 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.

*Prerequisites: 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.

*Prerequisites: HIS 1111 and 1112 or permission of instructor. Note: may be used for political science credit.*

**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.

*Prerequisites: HIS 1101 and 1102 or HIS 1122 and 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.

*Prerequisites: 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.

*Prerequisites: 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.

*Prerequisites: HIS 1111 and 1112 or permission of instructor. Note: May be used for political science credit.*

**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.

*Prerequisites: 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.

*Prerequisites: HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of the instructor.*

**HIS 4445 History of Modern Germany (3)**

Survey of Germanic peoples from the Revolutions of 1848 to the present, emphasizing unification, two world wars, postwar division, and reunification.

*Prerequisites: HIS 1101 and 1102 or HIS 1122 and 1123 or permission of 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.

*Prerequisites: HIS 1101 and HIS 1102, or HIS 1122 and HIS 1123, or permission of the instructor.*

- HIS 4448 The West in American History**  
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.  
*Prerequisites: HIS 1111 and 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.  
*Prerequisites: 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.  
*Prerequisites: HIS 1111 and 1112 or permission of instructor.*
- HIS 4451 Modern East Asia**  
Study of the development and interaction of Chinese, Japanese, and Korean civilizations, the impact of Western cultures, twentieth-century conflicts, resolutions and accommodations.  
*Prerequisites: HIS 1101 and 1102 or HIS 1122 and 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.  
*Prerequisites: HIS 1101 and 1102 OR HIS 1122 and 1123 or permission of instructor.*
- HIS 4453 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 19<sup>th</sup> Century, Zionism, the fall of the Ottoman Empire, the Arab-Israeli Conflict, and the colonial and postcolonial periods.  
*Prerequisites: HIS 1101 and 1102 OR HIS 1122 and 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.

*Prerequisites: HIS 1101 and 1102 or HIS 1122 and 1123 or permission of instructor.*

- HIS 4463 Europe in the Age of Enlightenment (3)**  
Survey of European history in the 18<sup>th</sup> century, emphasizing developments in society, politics, economics, and culture. The course will broadly emphasize the changing nature of authority in the 18<sup>th</sup> century from the beginning of the century until 1789- the year of the French Revolution.  
*Prerequisites: HIS 1101 and 1102 or HIS 1122 and 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.  
*Prerequisites: HIS 1101 and 1102 or HIS 1122 and 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.  
*Prerequisites: HIS 1101 and 1102 or HIS 1122 and 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.  
*Prerequisites: HIS 1101 and 1102 or HIS 1122 and 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.  
*Prerequisites: HIS 1101 and 1102 or HIS 1122 and 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.  
*Prerequisites: HIS 1101 and 1102 OR HIS 1122 and 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.  
*Prerequisites: HIS 1101 and 1102 OR HIS 1122*

- and HIS 1123 or permission of instructor.*
- HIS 4470 Oral History Methods and Practices (3)**  
An introduction to the methods and practice of oral history.
- HIS 4471 Local History Methods and Practices (3)**  
An exploration of history, historiographic issues, and methodology of local history in the United States. Provides opportunities to become familiar with sources used in studying local history and to gain practical experience in conducting local history research.
- HIS 4473 Archival Methods and Practices (3)**  
Provides students with an opportunity to apply their knowledge of archival and records management theory and practice. Students will be assigned to work on projects at an archival repository chosen in cooperation with instructor.  
*May be repeated once as an elective. Note: Credit in Archival Minor only.*
- 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: admission to TEP.  
Co-requisite: 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: 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.  
*Prerequisites: 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.  
*Prerequisites: senior standing at all institutions and HIS 3375. Note: Students must receive a grade of "C" or better for credit toward completion of degree requirements.*

- HIS 4491-92 Guided Independent Research (1 to 3 credit hours)**  
Additional information is indexed under Independent Study and Research.
- HIS 4493-94 Guided Independent Study (1 to 3 credit hours)**  
Additional information is indexed under Independent Study and Research.
- 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.  
*Prerequisites: Applicable survey courses and permission of instructor.*
- HIS 4498 Honors-Independent Study (1 to 3 credit hours)**  
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: Senior level and 3.5 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 credit hours)**  
Supervised work in an agency that can provide practical experience in the field of study.  
*Prerequisites: 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. Course may be repeated for credit with permission of instructor.*

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## HEALTH COURSES (HLT)

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- 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: admission to the Teacher Education Program.*

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## UNIVERSITY HONORS PROGRAM COURSES (HON)

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*Please see the index for additional information regarding the University Honors Program.*

- HON 1101 Freshman Honors Colloquium (3)**  
The first in a series of interdisciplinary seminars for University Honors Program candidates, combining class work with focus on the humanities, social sciences, natural sciences, attendance at campus and community events, and University Honors Program student activities.  
*Prerequisite: admission as a candidate for University Honors Program in fall semester of the freshman or sophomore year.*

- HON 2200 University Honors Special Topics: Interdisciplinary I (3)**  
A one-semester course for students who have been accepted into the University Honors Program via the PEAK program and completion of the requirements for candidacy. Interdisciplinary topics are determined in advance by the Honors Council and the honors director.
- HON 3300 University Honors Special Topics: Interdisciplinary II (3)**  
A one-semester course for students who have been accepted into the University Honors Program via the PEAK program and completion of the requirements for candidacy. Interdisciplinary topics are determined in advance by the Honors Council and the honors director.  
*Prerequisite: HON 2200 or permission of the honors director.*
- HON 4498 Department Honors Thesis or Project (3)**  
Independent study with honors-level credit within the student's major department. See departmental offerings in English and history.

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### HUMAN RESOURCE MANAGEMENT COURSES (HRM)

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- 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: Lower-level Core.*
- 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 student.  
*Prerequisites: 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: 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: Lower-level Core.*
- HRM 4481 Staffing (3)**  
Addresses theory, principles, practices, and legal requirements for effective recruitment, selection, and promotion in organizational settings.  
*Prerequisite: Lower-level Core.*
- 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: Lower-level Core.*
- HRM 4483 Human Resource Development (3)**  
Theory and practice in human resource training and development applied to organizational settings.  
*Prerequisite: Lower-level Core.*
- HRM 4485 Performance Appraisal and Compensation (capstone) (3)**  
Addresses theory, principles, practices, and legal requirements linking effective performance management and compensation and benefit systems in organizational settings.  
*Prerequisite: Lower-level Core.*  
*Co-requisite: And at least three of the 4000-level Human Resource management courses.*
- HRM 4496 Selected Topics in HR (3)**  
An in-depth study of a broad range of human resource management topics. Individual investigations and reporting are emphasized in seminar fashion. Focus on a topic of a timely nature and/or special interest.  
*Prerequisite: Lower-level Core.*
- HRM 4499 Internship (3)**  
The Human Resource Management Internship is a supervised work experience that provides students with the opportunity to gain applied work experience 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.

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### HOSPITALITY, SPORT, TOURISM MANAGEMENT COURSES (HSTM)

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- HSTM 2201 Leisure in Society (3)**  
This course provides the student with a broad understanding and appreciation of the significance of leisure as well as examine what people do for leisure in a changing society. Students will explore the place of leisure in society and in their individual life. Students form all majors can evaluate the significance of leisure in their lives, develop personal leisure lifestyles that promote development and health, and understand how leisure affects society.
- HSTM 2210 Introduction to Event Management (3)**  
This course is a fundamental introduction to the event planning industry with an emphasis on the role and relevance of the industry to society. This course is designed to explore the multi-disciplinary nature of event management to provide a foundation of practical skills and knowledge students need to succeed in the events industry.
- HSTM 2220 Introduction to Tourism Management (3)**  
This course is designed to introduce the student to tourism management, both as an academic major and as a professional endeavor. This course will also provide a broad overview of tourism management sites, functions, and sectors.
- HSTM 2230 Introduction to Hospitality Management (3)**  
This course is designed to introduce the student to hospitality management, both as an academic major and as a professional endeavor. This course will also provide a broad overview of hospitality management sites, functions, and sectors.
- HSTM 2255 Introduction to Sport Management**  
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 and Tourism Management (1-3)**  
This course allows students to obtain a global hospitality, sport and tourism management

perspective by traveling and studying abroad. Classroom lectures, field trips and presentations from international hospitality, sport and /or tourism professionals and academicians will supplement the cultural experience.

*Prerequisite: 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.

*Prerequisite: HSTM 2210.*

**HSTM 3325 Working in Tourism (3)**

This course is designed to introduce the student to the diversity of tourism vocations and opportunities, with a practical approach that will allow students to understand professional aspects in an applied manner. This course will also cover the multifaceted nature of tourism as an industry including an overview of contemporary terms, contexts, activities, experiences, trends and developments related to working in tourism.

*Prerequisite: HSTM 2220*

**HSTM 3330 Festivals and Special Events (3)**

This course provides a comprehensive overview of the festival and event 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 festivals and special events.

*Prerequisite: HSTM 2220*

**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: HSTM 2255*

**HSTM 3340 Principles of Recreation (3)**

This course provides an overview of recreation on federal, state, and local levels with respect to history, program, population, facilities and trends.

**HSTM 3345 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.

**HSTM 3350 Leadership Principles in Hospitality, Sport and Tourism 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. Major leadership/ moral/ and ethical issues in hospitality, sport and tourism will be researched and discussed. The student will explore how personal ethics affect leadership and organizational responsibility.

*Prerequisite: HSTM 2255, OR HSTM 2220, OR HSTM 2230.*

**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.

*Prerequisite: HSTM 2255*

**HSTM 3365 Research Methods in Hospitality, Sport and Tourism Management (3)**

The purpose of this course is to provide undergraduate students with a fundamental understanding of the research and evaluation process in hospitality, sport and tourism industries. The course is intended to familiarize students with research and evaluation principles, concepts, methods, techniques, and application that can be applied in a wide variety of leisure settings.

*Prerequisite: 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.

*Prerequisite: HSTM 2230.*

**HSTM 3377 Domestic and International Tourism (3)**

This course examines the tourism industry from a domestic and international perspective. Students will analyze the domestic tourism market and international tourism market. Students will also be exposed to various tourism segments which may include: cultural tourism, heritage tourism, sport tourism, eco-tourism, adventure tourism and others.

*Prerequisite: HSTM 2255.*

**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.

*Prerequisite: HSTM 2255.*

**HSTM 4414 Sustainable Tourism (3)**

This course covers the management of sustainable tourism through decision making on the economic, social, and environmental ("triple bottom line") sustainability of actual cases from the tourism industry. The course comprehensively examines the theoretical and applied dimensions of contemporary sustainable tourism from a local to global perspective. Subject matter includes: alternative tourism or small-scale tourism and its pros and cons; sustainable tourism within the context of mass tourism; green consumerism; transportation, accommodation, attractions, the tour operator, and quality control; destination sustainability including community empowerment and sustainability models; and future directions in sustainable tourism.

*Prerequisite: HSTM 2220.*

**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.

*Prerequisite: HSTM 2255.*

**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.

*Prerequisite: Senior Standing.*

**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.

*Prerequisite: HSTM 2255.*

**HSTM 4419 Tourism Enterprises (3)**

This course concentrates on the creation and management of tourism business entities and the dynamics of operating these businesses successfully. Students will be exposed to entrepreneurial opportunities, business development and managerial activities associated with successful operation of tourism businesses.

*Prerequisite: Senior Standing.*

**HSTM 4420 Hospitality and Tourism Financial Management (3)**

This course investigates principles, concepts, and current trends in financial and revenue management as related to the hospitality industry.

*Prerequisite: HSTM 2230 and HSTM 2220.*

**HSTM 4423 Current Issues in Hospitality (3)**

This course is designed to serve as a mechanism for the introductions of new information and technology issues for the hospitality industry. This course will encourage the undergraduate hospitality student to remain current with contemporary developments in the hospitality industry.

*Prerequisite: Senior Standing*

**HSTM 4425 Human Resource Management in Hospitality (3)**

This course focuses on a decision making process that affects the performance, quality, and legal compliance of the hospitality business as a whole. Beginning with a foundation of the hospitality industry, employment law, and HR policies, the coverage includes recruitment, training, compensation, performance appraisal, environmental and safety concerns, ethics and social responsibility, and special issues.

*Prerequisite: HSTM 2230.*

**HSTM 4428 Legal Aspects in Hospitality Management (3)**

This course provides coverage of legal issues in hospitality and tourism, including those associated with hotels, restaurants, transportation, travel agents, tour operators, gaming, mixed-use, and timeshare properties.

**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: HSTM 2255.*

**HSTM 4431 Analytics in HSTM (3)**

This course is designed to introduce the student to statistical techniques and methods. Students will learn how to use the results of statistical analysis to make decisions in the hospitality, sport, and tourism industries.

*Prerequisites: HSTM 2255, OR HSTM 2220, OR HSTM 2230.*

**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: Senior Standing.*

**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: 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: Permission of instructor.*

**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: Permission of instructor*

**HSTM 4451 Sport Finance (3)**

This course is designed to provide the student with information concerning the basic theories of finance as applied to managerial control of sport organizations. Included are forms of ownership, financial analysis, financial issues in the sport industry, and economic impact studies.

*Prerequisite: HSTM 2255*

**HSTM 4452 Sport Communication and Emerging Technology (3)**

This course is designed to provide the student with a fundamental understanding of community, media, and public relations in sport with a special focus on message development, image building, and crisis management. This course will also examine how emerging technologies influence communication strategies in sport, and the resultant impact these technologies have on the sport management.

*Prerequisite: HSTM 2255*

**HSTM 4462 Hospitality and Tourism Marketing**

This course is designed to introduce the student to marketing principles and practices of hospitality and tourism. The course will review terminology, systems, techniques, and processes that are used in the specialized application of hospitality and tourism marketing. This course will also encourage students to consider how traditional marketing strategies may be applied to these substantial and growing industries.

*Prerequisites: HSTM 2230 and HSTM 2220.*

**HSTM 4465 Hospitality Service (3)**

This course provides students with the study of basic service throughout the various hospitality industries including: food & beverage, gaming, lodging, country clubs, events, and travel and tourism.

*Prerequisite: HSTM 2230*

**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.

*Prerequisite: HSTM 2230*

**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.

*Prerequisites: HSTM 3340 and HSTM 3345*

**HSTM 4470 Revenue Generation in Hospitality, Sport and Tourism Management (3)**

This course will provide professional sales techniques needed to form a framework for revenue generation in the hospitality, sport and tourism 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.

*Prerequisites: 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: Instructor Approval Required*

**HSTM 4485/86 Practicum (3)**

The practicum opportunity is designed to provide practical experiences for Hospitality, Sport and Tourism Management Students. 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: Instructor Approval Required*

**HSTM 4488 Internship I in Hospitality, Sport, and Tourism Management (3)**

A supervised experience in planning, staging, and evaluating a formal practicum in related field. This is the first term in a two term internship experience.

*Prerequisite: 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: 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: Permission of Instructor and Troy campus-home location.*

**HSTM 4491/92 Guided Independent Research (3)**

Additional information is indexed under Independent Study and Research.

**HSTM 4493/94 Guided Independent Study(3)**

Additional information is indexed under Independent Study and Research.

**HSTM 4499 Seminar in Hospitality, Sport and Tourism Management (3)**

Students enrolled in this capstone course will examine trends, career paths, and discuss current topics in the hospitality, sport and tourism industries. Students will also prepare cover letters, resumes, undergo a mock job interviews, develop career path portfolios, and undergo supervised experiences in a related field.

*Prerequisite: Permission of instructor..*

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**HUMAN SERVICES COURSES (HS)**

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**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 (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 3310 Human Behavior In the Social Environment I (3)**  
The biopsychosocial aspects of human growth and development throughout the life cycle. Emphasis is placed on understanding the individual in interaction with major social systems. Knowledge, skill, and value bases necessary for biopsychosocial assessment are built.
- 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 (3)**  
Principles and techniques of interviewing for human services professionals. Major emphasis is the building of empathic skills.
- HS 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.
- 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.  
*Prerequisites: 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 Field Experience. The class will focus upon areas essential for competent human service practice, including social policy and contemporary topics.  
*Prerequisite: Completing of HS Major requirements. The practicum site must be approved.*
- HS 4400 (6)/4420 (3) Human Service Field Experience**  
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 per course hour spent in a particular agency for HS 4400 I (6). For HS 4420 II (3) it is 120 clock hours. Clinical hours and responsibilities will be determined by internship supervisor. Human Services majors must complete this course with a grade of C or better.  
*Prerequisites: Senior level, HS 2230, HS 3370 and HS 3399 or permission of instructor.*
- HS 4491-92 Guided Independent Research (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.
- HS 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.

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## INTERDISCIPLINARY STUDIES COURSES (IDS)

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- 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 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.  
*Prerequisites: completion of 29 hours of coursework by the start of the seminar; written statement of interest to Seminar faculty; 3.0 grade point average, ENG 1101 with a grade of B or better.*
- 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 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.  
*Prerequisites: 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.  
*Prerequisites: 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.  
*Prerequisites: 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.

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## INTERDISCIPLINARY EDUCATION COURSES (IED)

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- 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: admission to TEP.*  
*Co-requisite: 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: admission to TEP.*  
*Co-requisite: IED 4454.*
- IED 4491-92 Guided Independent Research (1 to 3 credit hours)**  
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures.  
*Prerequisites: 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. May not be used to repeat a course for which a grade of D or below has been earned. 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."*
- IED 4493-94 Guided Independent Study (1 to 3 credit hours)**  
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills.  
*Prerequisites: Junior or senior status, permission of guiding professor, approval of department chair and the 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. May not be used to repeat a course for which a grade of D or below has been earned. Also see index for "Independent Study and Research."*

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### INFORMATION SYSTEMS COURSES (IS)

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- IS 2241 Computer Concepts and Applications (3)**  
This course provides an interdisciplinary introduction to microcomputer literacy, word processing, spreadsheets, database, business graphics and the internet.
- IS 3310 Introduction to Information Systems & Data Analytics (3)**  
Introduction to the types of information systems used in the global business environment, with an emphasis on describing how information systems support operations and are used to make business decisions.  
*Prerequisites: Lower-level Business Core, IS 2241.*
- IS 3315 Advanced Applications for Accounting**  
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.

*Prerequisites: ACT 2292, BUS 3310 and IS 2241.*

- IS 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: IS 2241, IS 3310.*
- IS 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. 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.  
*Prerequisites: IS 2241, IS 3310, or consent of instructor.*
- IS 3350 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. emphasis is placed on understanding and developing object oriented programs in an integrated development environment (IDE).  
*Prerequisites: Grade of 'C' or higher in IS 2241 and MTH 1112.*
- IS 4410 Business Data Mining (3)**  
This course introduces the concepts and practices of extracting information from large databases to support human business decision-making in the areas of summarization, prediction, patterns, relationships, trends, and customer behavior. The course covers various analytical techniques to extract managerial information from large data warehouses using a number of well-defined data mining tasks such as classification, estimation, prediction, affinity grouping and clustering, and data visualization. The course will examine methods and software tools for transforming large amounts of data into new and useful information, uncovering factors that affect purchasing patterns, and identifying potential profitable investments and opportunities. The course will also survey applications and provide an opportunity for hands on experimentation with algorithms for data mining using software and cases.  
*Prerequisites: IS 3346, QM 2241, or consent of instructor.*
- IS 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 out-compete

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 concentration.

*Prerequisites: IS 3350, IS 4410.*

- IS 4440 Knowledge Management and Business Intelligence (3)**  
This course is an introduction to organizational data a business resource, using business intelligence and knowledge management techniques. Emphasis is on developing database management systems (DBMS) as operational data stores and data warehouses for management decision-making, through business analytics, balanced score card metrics, data visualization, data mining, dashboards, and business performance management.  
*Prerequisites: IS 3346.*
- IS 4447 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.  
*Prerequisites: IS 3346, IS 3350.*
- IS 4451 Information Security, Assurance and Compliance (3)**  
This course introduces information security awareness, governance, assurance, and compliance associated with essential network infrastructure. Emphasis is placed on understanding information systems security policy and technology countermeasures across network infrastructure access points including physical security, authentication, access control, encryption, and system management.  
*Prerequisites: IS 3320.*
- 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: IS 4447.*
- 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 the solutions of server related issues including security and scalability.  
*Prerequisites: IS 3346, IS 3350.*
- IS 4475 Internet Technology Development (3)**  
This course introduces web application development technologies in an Internet environment and the related scripting languages. The course emphasis is on developing secure client-side web applications with HTML and JavaScript, and consuming web services.  
*Prerequisites: IS 3350.*
- IS 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.  
*Note: This course may not be substituted for any required course.*

**IS 4498**

**Information Systems Internship (3)**

The Information Systems Internship provides students with the opportunity to gain real-world insurance experience in their field of study. Students are inter-viewed and selected by the individual companies offering the internship. See the Information Systems division chair for details.  
*Prerequisite: Student must have completed all four required IS courses with a "B" average. Student must have Internship Proposal approved prior to registering for class.*

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**INTERPRETER TRAINING PROGRAM  
(ITP)**

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**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.

*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.  
*Prerequisites: 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.

*Prerequisites: 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.

*Prerequisites: 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.  
*Pre-requisites: 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, including 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: 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: ASL 2242, ITP 2200, with a grade of C or better, or permission of ITP Academic Advisor.*
- ITP 3366 Discourse Analysis I (3)**  
Course Description: 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 metamesages 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.  
*Prerequisites: 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.  
*Prerequisites: 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)**  
Course Description: 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.  
*Prerequisites: 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)**  
Course Description: 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 metamesages 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.  
*Prerequisites: 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.  
*Prerequisites: 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.  
*Prerequisites: 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.  
*Prerequisites: 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.  
*Prerequisites: 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.  
*Prerequisites: 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)**  
Course Description: 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.

*Prerequisites: 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)**

Course Description: 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.

*Prerequisites: 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.

*Prerequisites 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.

*Prerequisites 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.

*Prerequisites 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.

*Prerequisites 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 4469 and successful completion (grade C or better) in EDU 4467 and EDU 4468.*

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**ITALIAN COURSES (ITL)**

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: ITL 1101.*

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**JAPANESE COURSES (JPN)**

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: JPN 1101 or permission of instructor.*

JPN 2201

**Intermediate Japanese I (3)**

Progressive development of basic language skills in Japanese.

*Prerequisite: JPN 1102 or permission of instructor.*

JPN 2202

**Intermediate Japanese II (3)**

Progressive development of basic language skills in Japanese.

*Prerequisites: JPN 2201 or permission of instructor.*

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**JOURNALISM COURSES (JRN)**

*Note: Reasonable proficiency in keyboarding (25 wpm) is a prerequisite for all journalism courses except COM 1101 and JRN 1103.*

JRN 1100

**Technologies in Journalism (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

**Writing for the Mass Media (3)**

A basic course in preparing written materials for the mass media and for online communications, with emphasis on using Associate press style and writing leads.

*Prerequisites: ENG 1101, 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.  
*Prerequisite: Completion of JRN 1102 with grade of C or better. Must make at least C or better in JRN 2201 before taking 3000 level or higher Journalism courses.*
- JRN 2211 Editing and Design (3)**  
Editing copy and video, headline writing, layout and design for print, video and electronic publications plus online communications.  
*Prerequisites: JRN 1100 and 1102. Must make a C or better in JRN 2211 to receive credit toward degree.*
- 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: ENG 1101 or permission of the instructor.*
- JRN 3300 Digital News Photography (3)**  
Discussion of and practical experience in digital and video photography for print, broadcast, electronic and online media.
- JRN 3302 Feature and Magazine Article Writing (3)**  
Researching and writing feature stories with emphasis on covering issues and trends in magazines, electronic and online publications, pitching ideas to editors and marketing articles as a freelancer.  
*Prerequisite: JRN 2201.*
- JRN 3312 Advanced Editing (3)**  
Advanced study and practice in layout and design of newspapers, electronic publications and online media, including special pages and editions; typography and graphics; copy editing and video.  
*Prerequisite: JRN 2211.*
- JRN 3315 Advanced Reporting (3)**  
News reporting and writing on sports, business, consumer affairs, the environment, and public affairs, particularly local and state government, the courts and education, in a multimedia environment including print, video and online communications. Emphasis is placed on use of background research and multiple sources and writing on deadline.  
*Prerequisite: JRN 2201. Must make a C or better in JRN 3315 to receive credit toward degree.*
- JRN 3326 Advising Student Publications (3)**  
Students successfully completing this class will have the ability to teach journalism, including how to produce magazine and newspaper layout; develop copy and/or storyboard for radio and television production; apply techniques of advertising, reporting and editing; and use current and emerging technology in the production of print and non-print journalism.
- JRN 3327 Sports Broadcasting (3)**  
Advanced methods, techniques and performance styles for broadcast sports news and information.
- JRN 3330 Journalism Practicum (1 to 3 credit hours)**  
Supervised journalism-related experiences focusing on gathering information, writing, editing, photography, design, online journalism, electronic journalism, broadcast journalism, advertising and/or public relations.
- JRN 3340 Introduction to Mobile Journalism (3)**  
The concepts and technologies for this course include newsgathering through multiple digital methods and storytelling across multiple platforms from the field.  
*Smartphones or computer tablets are required. Prerequisite: JRN 2201.*
- JRN 3360 Broadcast News Writing (3)**  
Gathering, evaluating, writing and performing broadcast copy. Applies news gathering techniques to the broadcast writing style, on-the-scene coverage, interviewing and announcing. Must make a C or better.  
*Prerequisite: JRN 2201.*
- JRN 3365 TV Studio Techniques and Producing (3)**  
An introduction to the production elements, theories and procedures of producing news broadcasts for television. Lighting, set design, preparation, operation of equipment, graphics, editing, responsibilities of those members involved in the production, electronic news gathering (ENG), operation of remote equipment and interviewing are topics discussed in this class.
- 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 to 3 credit hours)**  
Lecture, discussion, and research course designed to acquaint students with special topics in the fields of broadcast and print journalism. May be taken for a maximum of six hours.  
*Prerequisite: JRN 1100*
- JRN 4401 Community Media Management (3)**  
Discussion of special problems and management techniques of print, broadcast, cable, online media, public relations and communication organizations.
- JRN 4403 Radio News Practicum (3-6)**  
Supervised experience in gathering, writing and performing radio news broadcasts.  
*Prerequisite or Co-requisite: JRN 3360 or permission from the instructor.*
- JRN 4405 Radio Production Practicum (3-6)**  
Supervised experience in radio studio work. Includes audio techniques for both public affairs and musical productions, tape editing, and use of automated programming.  
*Prerequisite or Co-Requisite: JRN 3360 or permission from the instructor.*
- JRN 4410 Advanced Radio Practicum (3-6)**  
Emphasis on individualized work in radio news or production.  
*Prerequisite: JRN 4403 or 4405.*
- JRN 4413 Television News Practicum (3-6)**  
Supervised experience in gathering, writing and performing for a daily news broadcast.
- JRN 4415 Television Production Practicum (3-6)**  
Supervised experience in technical television work. Includes in-studio and remote camera operation, lighting, video tape editing and directing.
- JRN 4420 Advanced Television Practicum (3-6)**  
Emphasis on individualized work in television news or production.  
*Prerequisite: JRN 4413 or permission from the instructor.*
- JRN 4421 Opinion Writing (3)**  
Writing and editing of opinion for print, broadcast, electronic and online communication systems, with extensive practice in writing editorials and opinion columns.

*Prerequisite: JRN 2201.*

- JRN 4425 Multimedia Law (3)**  
The rights and restrictions of the press: the First Amendment, privilege, libel, slander, contempt, right of privacy, etc.  
*Prerequisite: Junior standing or above.*
- JRN 4427 Sports Reporting (3)**  
Advanced methods, techniques, and writing styles for reporting sports news and information.  
*Prerequisite: JRN 2201.*
- JRN 4430 Processes and Effects of Mass Communication (3)**  
This course provides students with an understanding of the development of the most notable, historical, social scientific and empirically grounded theoretical perspectives with regard to mass communication. In addition, analysis and interpretation of these theories will be addressed.
- JRN 4440 Advanced Technologies in Journalism (3)**  
An introduction to using advanced technologies and on-line reporting techniques in journalism and public relations.  
*Prerequisite: JRN 1100 Technologies in Journalism*
- JRN 4445 Mobile Journalism Practicum (3)**  
Supervised experience in mobile journalism reporting, including in-depth fieldwork and producing original content to build student portfolios.  
*Smartphones or computer tablets are required. Prerequisite: JRN 3340.*
- JRN 4450 Electronic Publishing (3)**  
This is a hands-on mastery course in using words, images, video, sound and social media to communicate in an interactive and online environment.
- 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. Students will shoot and edit sporting events for use on ESPN3. Weekend work is required.
- JRN 4489 Internship (5)**  
Supervised work that can provide practical experience in the field of study.  
*Prerequisites: At least junior standing and approval of the academic adviser and department chair.*
- JRN 4490 Field Experience (1-7)**  
Supervised study in the practical application of issues related to journalism and communication.  
*Prerequisites: Approval of the director of the School of Journalism and Communication.*
- JRN 4491-92 Guided Independent Research (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.
- JRN 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.
- JRN 4495 Communication Seminar (1)**  
Study of issues related to communication theory, the history and future of communication industries, the impact of online communication and ethics. Additionally, students will create a professional portfolio.  
*Prerequisite: At least a Junior Standing.*

## PROMOTION COURSES (KHP)

- 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 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 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 CPRO (2)**  
Community first aid and safety instruction and CPRO for the professional following American Red Cross techniques.
- KHP 2208 Intermediate Tennis (1)**  
Physical education activity course.
- 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: 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 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: Grade B or better in KHP 1146.*
- 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 Foundations of Physical Education & Health (3)**  
A study of the history and principles of health education and physical education with particular emphasis placed on present practices and trends in exercise science.  
*Prerequisite: Student must be a Health, Physical, Exercise, Elementary, Collaborative K-6, or Collaborative 6-12 Education Major.*
- KHP 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 DAN 2252.  
*Prerequisite: 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.  
*Prerequisites: 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 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 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.  
*Co-requisite: KHP L310.*  
*Prerequisites: None. Open to all majors.*
- KHP L310 Introduction to Food Science Lab (1)**  
Experimental and observational techniques in food preparation.  
*Co-requisite: KHP 3310.*  
*Prerequisites: None. Open to all majors.*
- 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: KHP 2211 or NSG 2204.*
- 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: 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.  
*Prerequisites: KHP 2211 or NSG 2204 or permission of instructor.*
- KHP 3330 Physical Skills Proficiency I (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 4485/4486.
- KHP 3331 Physical Skills Proficiency II (2)**  
This course covers rules, regulations, terms, origin, development, safety, equipment, and performance of skills of specified sport activities including badminton, swimming, volleyball, and tennis which are related to KHP 4485/4486.
- 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.  
*Prerequisites: Grade of C or better in KHP 3360 or BIO 3347/L347 and BIO 3348/L348.*
- 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.  
*Prerequisites: Grade of C or better in BIO 1100/L100 and CHM 1142/L142; or SCI 2233/L233; or PHY 2252/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: KHP 2263.*
- KHP 3368 Water Safety Instructor (WSI) (2)**  
 Organization and teaching swimming and water safety programs.  
*Prerequisite: Swimming Certificate.*
- KHP 3369 Scuba (2-4)**  
 Basic techniques of scuba diving.  
*Prerequisites: 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 3391 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.
- KHP 3395 Care and Prevention of Athletic Injury (2)**  
 The study of basic care and prevention, evaluation, management and rehabilitation of athletic injuries.  
*Prerequisites: Grade of C or better in BIO 3347/L347 and BIO 3348/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.  
*Prerequisites: Grade of C or better in BIO 1100/L100 and CHM 1142/L142 or PHY 2252/L252 or SCI 2233/L233, and KHP 3360 or BIO 3347/L347 and BIO 3348/L348.*
- KHP 4410 Motor Development (3)**  
 An analysis of the ways in which children develop movement capabilities.  
*Prerequisite: Junior standing or above.*
- KHP 4427 Health Behavior (3)**  
 The theoretical foundations of health behavior and evaluation and their application to health practice.  
*Prerequisite: KHP 2240.*
- KHP 4435 Current Issues in Sport and Fitness 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 and fitness management student to remain current with contemporary developments in the sports industry.  
*Prerequisites: KHP 3355 and nine additional hours of 4000 level KHP courses.*

- KHP 4442 Health Education (3)**  
 Course focuses on school health organization, services and institutions, grades N-12.  
*Prerequisite: KHP 4427*
- 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.  
*Prerequisites: 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.  
*Prerequisites: Grade of C or better in KHP 4474/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.  
*Prerequisites: Grade of C or better in KHP 3360 or BIO 3347/L347 and BIO 3348/L348 and KHP 3352. Co-requisite: 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: KHP 4460.*
- KHP 4462 Physical Education for Exceptional Children (3)**  
 This course explores programs to serve the needs of the exceptional child in schools.  
*Prerequisites: KHP 3361.*
- KHP 4465 Classroom Management and Organization for KHP (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: Junior Standing or above.*
- 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: admission to TEP. Co-requisite: IED 4454.*
- KHP 4474 Exercise Physiology (3)**  
 Physiological mechanisms and adaptations of cells, tissues, organs and systems during physical activity.

- Prerequisites: Grade of C or better in KHP 3360 or BIO 3347/L347 and BIO 3348/L348.  
Co-requisite: 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: 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.  
*Prerequisites: Grade of C or better in KHP 4474/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: 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: admission to TEP.*
- KHP 4485 Teaching Individual and Team Sports I (3)**  
Teaching methods, techniques, and officiating secondary team sports and individual physical fitness activities.  
*Prerequisite: KHP 3330, and KHP 3331.*
- KHP 4486 Teaching Individual and Team Sports II (3)**  
Teaching methods, techniques, and officiating secondary team sports and individual physical fitness activities.  
*Prerequisite: KHP 3330, and KHP 3331.*
- 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: KHP 4474 or permission of instructor.*
- KHP 4488 Issues and Practice in Cardiac Rehabilitation (3)**  
Course will examine the policies and procedures of cardiac rehabilitation programs. Students will be introduced to the phases of cardiac rehabilitation programs, administration and reporting of graded exercise stress tests, administration of exercise sessions, reporting procedures, and techniques of successful patient educational programs.  
*Prerequisite: Grade of C or better in KHP 4475.*
- KHP 4490 Internship in Area of Concentration (6)**  
A supervised experience in planning, staging and evaluating a formal practicum in related field.  
*Prerequisite: KHP 4443, 4499, permission of the department chair.*
- KHP 4491-92 Guided Independent Research (1 to 3 credit hours)**  
Additional information is indexed under Independent Study and Research.
- KHP 4493-94 Guided Independent Study (1 to 3 credit hours)**  
Additional information is indexed under Independent Study and Research.
- KHP 4495 Advanced Exercise Physiology (3)**  
This course will allow students to experience and explore advanced concepts and topics related to exercise physiology.  
*Prerequisites: 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.  
*Prerequisites: Grade C or better in KHP 3352  
Co-requisite: 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: 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: Sr. 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: Senior standing or permission of instructor.*
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- KOREAN COURSES (KOR)**
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- KOR 1101 Introductory Korean I (3)**  
Introduction to the Korean Language.
- KOR 1102 Introductory Korean II (3)**  
Introduction to the Korean Language.  
*Prerequisite: KOR 1101 or permission of instructor.*
- KOR 2201 Intermediate Korean I (3)**  
Progressive development of basic language skills in Korean.  
*Prerequisite: KOR 1102 or permission of instructor.*
- KOR 2202 Intermediate Korean II (3)**  
Progressive development of basic language skills in Korean.  
*Prerequisite: KOR 2201 or permission of instructor.*
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- LANGUAGE AND CULTURE ON LOCATION (LCL)**
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- LCL 3301 Language and Culture on Location I (1-3)**  
The study of selected languages and/or cultures on location.
- LCL 3302 Language and Culture on Location II (1-3)**  
The study of selected languages and/or cultures on location.
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- LATIN COURSES (LAT)**
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- 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: LAT 1131 or permission of instructor.*
- LAT 2231 Intermediate Latin I (3)**  
Continuation of LAT 1131-1132.  
*Prerequisite: 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: 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: LAT 2232 or permission of instructor.*

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### LAW COURSES (LAW)

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- 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.  
*All business majors must complete this course with a grade of C or better.*
- LAW 3323 Legal and Ethical Aspects of Competition For Entrepreneurs (3)**  
This course is designed to go beyond LAW 2221 (Legal Environment of Business) and to provide an opportunity to explore in-depth the types of legal and ethical issues that entrepreneurs, small business owners, and family business owners encounter in the worlds of domestic and international aspects of competition.  
*Prerequisite: Lower-level Core, MGT 4475.*
- 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: 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.  
*Prerequisites: LAW 2221.*

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### LEADERSHIP COURSES (LDR)

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- LDR 1100 Introduction to Leadership (3)**  
This course helps students apply leadership knowledge, skills and techniques to campus and community activities. Practical exercises, role-playing, class interaction and lecture / discussion

- with established leaders reinforce learning and aid each student in developing a personal leadership plan.
- 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: 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 of Women and Leadership (3)**  
Through an understanding and analysis of culture and current issues, this course will help each student explore the capabilities and leadership women bring to organizations. Through an application of models, styles, and theory, students will develop better self-awareness and understand the unique capabilities of women 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: 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.  
*Prerequisites: 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.  
*Prerequisites: 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: Permission of instructor.*

*Co-requisite: LDR 4400.*

- LDR 4444 Leadership Internship (3 to 6 credit hours, may be repeated for no more than 6 total hours)**  
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.  
*Prerequisites: 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 to 6 credit hours, may be repeated for no more than 6 total hours)**  
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.  
*Prerequisites: 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 4493-94 Guided Independent Study (1 to 3 credit hours)**  
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills.  
*Prerequisites: junior or senior status, permission of leadership adviser. A written request must be submitted to the instructor at least two weeks in advance of the term in which study is to be undertaken. May not be used to repeat a course in which a grade of D or below has been earned.*

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### LEGAL STUDIES COURSES (LGL)

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- 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 3352, CJ 4442 and CJ 4447 for Legal Studies minors.*
- 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: 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.

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### MARINE BIOLOGY COURSES (MB)

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*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.  
*Prerequisites: BIO 1101/L101, 2229/L229, CHM 1143/L143.*
- MB 4403 Marine Vertebrate Zoology (4)**  
Biology of marine vertebrates emphasizing systematics, behavior, physiology, and ecology of local forms.  
*Prerequisites: BIO 1101/L101, BIO 2229/L229, CHM 1143/L143.*
- MB 4404 Marine Botany (4)**  
A general survey of algae and vascular plants associated with the marine and estuarine environment.  
*Prerequisites: BIO 1101/L101, 2229/L229, CHM 1143/L143.*
- MB 4410 Introduction to Oceanography (4)**  
A general introduction to the physics, chemistry, geology, and biology of the oceans.  
*Prerequisites: BIO 1101/L101, 2229/L229, CHM 1143/L143.*
- MB 4419 Marine Aquaculture (2)**  
Techniques in live animal culture with an emphasis on basic principals that can be applied to the culture of any organism for research, display, or commercial profit.  
*Prerequisites: BIO 1101/L101, 2229/L229, CHM 1143/L143.*
- MB 4423 Marine Ecology (4)**  
Lecture and laboratory studies of bioenergetics, community structure, population dynamics, predation, competition, and speciation in marine ecosystem.  
*Prerequisites: BIO 1101/L101, BIO 2229/L229, CHM 1143/L143.*
- 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.  
*Prerequisites: BIO 1101/L101, BIO 2229/L229, CHM 1143/L143.*
- MB 4430 Dolphins and Whales (2)**  
Lectures, audiovisual presentations, and practical exercises to guide students to further study of cetaceans.  
*Prerequisites: BIO 1101/L101, BIO 2229/L229, CHM 1143/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.  
*Prerequisites: BIO 1101/L101, BIO 2229/L229, CHM 1143/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.  
*Prerequisites: BIO 1101/L101, BIO 2229/L229, CHM 1143/L143.*

<b>MB 4460</b>	<b>Introduction to Neurobiology (4)</b> The study of the structure, development, physiology, and pharmacology of the nervous systems and sense organs. <i>Prerequisite: Permission of instructor.</i>	<b>MGT 4472</b>	<b>Organizational Behavior (3)</b> A study of individual and group behavior in business organizations. <i>Prerequisite: Lower-level Core, MGT 3300.</i>
<b>MB 4470</b>	<b>Marine Restoration Ecology (2)</b> 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. <i>Prerequisites: CHM 1142/L142, BIO 2229/L229.</i>	<b>MGT 4475</b>	<b>Entrepreneurial Management (3)</b> 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. Detailed analysis of the entities. <i>Prerequisite: Lower-level core, MGT 3300.</i>
<hr/> <b>MANAGEMENT COURSES (MGT)</b> <hr/>			
<b>MGT 3300</b>	<b>Principles of Management (3)</b> An introduction to management functions, principles, and techniques. The course includes a discussion of planning, organizing, influencing through leadership, and control within the organization.	<b>MGT 4478</b>	<b>Managing in a Global Environment (3)</b> 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. <i>Prerequisites: Lower-level Core, MGT 3300 and have completed at least 12 hours of the Global Business Core.</i>
<b>MGT 3301</b>	<b>Honors Principles of Management (3)</b> 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. <i>Prerequisites: SCOB Honors students and permission of the Associate Dean.</i>	<b>MGT 4479</b>	<b>Management Seminar (3) (capstone)</b> 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 majors. <i>Prerequisites: Lower-level Core MGT 3300, QM 3345, MGT 3380, MGT 4440, and MGT 4472.</i>
<b>MGT 3380</b>	<b>Principles of Supervision (3)</b> 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. <i>Prerequisites: Lower-level Core, MGT 3300.</i>	<b>MGT 4484</b>	<b>Entrepreneurial Strategy and Marketing (3) (capstone)</b> This entrepreneurship concentration capstone integrates theory and practice from prior courses in the discipline, applied to a selected venture, by focusing on a strategic analysis, emphasizing the marketing function. The larger aim is to guide venture growth rationally, creatively, and ethically through the challenges associated with the successive stages of professionalization, maturation, and global presence. The course considers ventures internal and external to existing organizations. <i>Prerequisite: ECO 3360, FIN 3360, MGT 4475. (Simultaneous enrollment is acceptable)</i>
<b>MGT 4440</b>	<b>Developing and Leading Effective Teams (3)</b> 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. <i>Prerequisites: Lower-level Core, MGT 3300, QM 3345.</i>		
<b>MGT 4460</b>	<b>Introduction to Project Management (3)</b> 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. <i>Prerequisites: Lower-level Core, MGT 3300, QM 3345.</i>		
<b>MGT 4471</b>	<b>Leadership and Change (3)</b> 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. <i>Prerequisite: Lower-level Core, MGT 3300.</i>		

**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.

*Prerequisites: 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.

*Prerequisites: Lower-level core, MGT 3301, SCOB Honors Student, and permission of the Associate Dean.*

**MGT 4491-92 Guided Independent Research (1 to 3 credit hours per course per semester)**

Additional information is indexed under Independent Study and Research.

*Note: This course may not be substituted for any required course.*

**MGT 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**

Additional information is indexed under Independent Study and Research. *Note: This course may not be substituted for any required course.*

**MGT 4496 Selected Topics in HR (3)**

An in-depth study of a broad range of human resource management topics. Individual investigations and reporting are emphasized in seminar fashion. Focus on a topic of a timely nature and/or special interest.

*Prerequisite: Lower-level Core, MGT 3300.*

**MGT 4499 Internship (3)**

The Management Internship provides is a supervised work experience that provides students with the opportunity to gain applied work e experience 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.

**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 students

*Prerequisites: SCOB Honors Student, and permission of the Associate Provost*

**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: 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: MKT 3300.*

**MKT 4461 Personal 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 personal selling; direct selling techniques, and the sales process with an emphasis on building customer relationships.

*Prerequisite: 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: 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: 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: 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

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## MARKETING COURSES (MKT)

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**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.

integration activities associated with a firm's distribution system.

*Prerequisite:* 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.

*Prerequisites:* 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:* 15 semester hours in marketing courses beyond MKT 3300.

**MKT 4470 Honors Global Marketing (3)**

This course examines 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.

*Prerequisites:* Lower-level core, MKT 3301, SCOB Honors Student, and permission of the Associate Dean.

**MKT 4480 Special Topics in Marketing (1-3)**

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:* MKT 3300

**MKT 4491-92 Guided Independent Research (1 to 3 credit hours per course per semester)**

This course involves directed research on marketing topics of mutual interest to a student and faculty member. Maximum credit of six hours.

*Note:* This course may not be substituted for any required course.

*Prerequisite:* MKT 3300.

**MKT 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**

This course involves directed project work of mutual interest to a student and faculty member. Maximum credit of six hours. *Note:* This course may not be substituted for any required course.

*Prerequisite:* MKT 3300

**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.

*Prerequisites:* Six semester hours in marketing courses beyond MKT 3300 and permission of instructor.

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**MEDICAL COURSES (MLS)**

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*(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 (1)**

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 laboratory 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.

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**MILITARY SCIENCE AND LEADERSHIP COURSES (MSL)**

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- 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: 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: 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: MS 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: 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 of 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: Permission of the Professor of Military Science for non-contracted cadets.*  
*Co-requisite: 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: Permission of the Professor of Military Science for non-contracted cadets.*  
*Co-requisite: 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: Permission of the Professor of Military Science for non-contracted cadets.*  
*Co-requisite: 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: Permission of the Professor of Military Science for non-contracted cadets.*  
*Co-requisite: 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 (1-3)**  
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: 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.*

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### MATH COURSES (MTH)

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- 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.  
*Prerequisite: Placement or a grade of C or better in MTH 0096. 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.  
*Prerequisite: placement or a grade of C or better in MTH 1100. 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 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.  
*Prerequisite: appropriate score on mathematics placement test, advanced placement, or a grade of C or better in MTH 1105. Note: Credit will not count toward a major or minor in mathematics.*
- 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.  
*Prerequisite: appropriate score on mathematics placement test, advanced placement, or a grade of C or better in MTH 1105. Note: Credit will not count toward a major or minor in mathematics.*
- 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.  
*Prerequisite: MTH 1112 with a grade of C or better or advanced placement. Note: Credit will not count toward a major or minor in mathematics.*
- 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: A grade of C or better in MTH 1114 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: 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.  
*Prerequisite: MTH 1112 or 1114 with a grade of C or better, or advanced placement. Note: Credit will not count toward a major or minor in mathematics.*
- MTH 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: A grade of C or better in MTH 1112. Note: Credit will not count toward Area III requirements nor will it count toward any major or minor in mathematics.*
- MTH 2215 Applied Discrete Mathematics (3)**  
Discrete mathematics with a computer science orientation is presented. Topics include sets, relations, logic, algorithms, and recursion.  
*Prerequisite: A grade of C or better in MTH 1112. Note: Credit will not count toward Area III requirements nor will it count toward any major or minor in mathematics.*
- 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: 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: 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: 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.

- Prerequisite: MTH 1110 or 1112. Note: Credit will not count toward Area III requirements nor will it count toward any major or minor in mathematics.*
- 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.  
*Prerequisite: MTH 1110 or 1112. Note: Credit will not count toward Area III requirements nor will it count toward any major or minor in mathematics.*
- 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: 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: 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: MTH 3318.*
- MTH 3331 Linear Algebra (3)**  
Matrices, systems of equations, determinants, eigenvalues and eigenvectors.  
*Prerequisite: MTH 1126.*
- MTH 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 SAS, a statistical software package that is widely used in business, industry, government, and research.  
*Prerequisite: MTH 2210.*
- MTH 3355 Survey Sampling (3)**  
Topics include sampling frames, questionnaire design, simple random, systematic, stratified, and cluster sampling, comparing domain means, contingency table analysis.  
*Prerequisite: MTH 2210.*
- MTH 3364 Vector Calculus (3)**  
Differentiation in several variables. Line and surface integrals. Potential theory and differential  
*Prerequisite: 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.  
*Prerequisites: MTH 2227 and 3318.*
- MTH 4420 Graph Theory (3)**  
The elements of graph theory including: trees; bipartite, chordal and planar graphs; graph coloring; graph traversals; and flows.  
*Prerequisites: MTH 2227 and 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.  
*Prerequisites: MTH 2220, 2227 and 3331, or permission of instructor.*
- MTH 4424 Real Analysis I (3)**  
The real number system, completeness, limits, continuity, sequences, differentiation, and the Riemann integral.  
*Prerequisites: MTH 2227 and 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: MTH 4424.*
- MTH 4426 Complex Analysis (3)**  
Complex numbers, elementary functions and their mappings, complex limits and power Cauchy integral formula.  
*Prerequisites: MTH 2227 and 3318 or permission of instructor.*
- MTH 4436 Number Theory (3)**  
Divisibility, congruencies, prime numbers, Fermat's theorem, Diophantine equations, number theoretic functions.  
*Prerequisites: MTH 2227, 3318.*
- 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.  
*Prerequisites: MTH 2227, 3318, and 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: MTH 4441.*
- MTH 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: MTH 4451.*
- MTH 4460 Topology (3)**  
An introduction to metric and topological spaces and associated topics, separation axioms, compactness, and connectedness.  
*Prerequisites: MTH 2227, 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: admission to TEP. Co-requisite: 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.  
*Prerequisites: 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: admission to TEP.*
- MTH 4490 Senior Seminar (1 to 3 credit hours)**  
Individualized study of a topic in mathematics culminating in a written and oral presentation.  
*Prerequisites: MTH 3318 and senior status.*
- MTH 4491-92 Guided Independent Research (1 to 3 credit hours)**  
Additional information is indexed under Independent Study and Research.
- MTH 4493-94 Guided Independent Study (1 to 3 credit hours)**  
Additional information is indexed under Independent Study and Research.
- MTH 4499 Internship in Mathematics/Statistics (1-3)**  
A supervised experience in planning, staging, and evaluating a formal practicum in a related field.  
*Prerequisites: 6 credit hours at the 4000-level or MTH 4451, or permission of the department chair.*

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### MUSIC INDUSTRY COURSES (MUI)

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- 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: 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: 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: 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: 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.  
*Prerequisites: 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: 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: 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: 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: 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: 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: 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: 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: 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.  
*Prerequisites: 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.  
*Prerequisites: 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: 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: 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: 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: MUS 4460.*

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### MUSIC COURSES (MUS)

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- 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-requisites for music majors: MUS 1105, 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: MUS 1102.*  
*Co-requisites for music majors: MUS 1106, 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: 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: MUS 1107.*

- MUS 1110-4429 Private Instruction (1 credit hour per semester, 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 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 Workshop (2)**  
A hands-on course that surveys traditional music from around the globe, with an emphasis on exploratory play.
- 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 1149 Sangeet Ensemble (1)**  
The ensemble will explore traditional and classical musics 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) Fall; (1) Spring**  
Marching Band (fall) and concert band (spring). Open to all students by permission of director.
- MUS 1183 Collegiate Singers (1-3)**  
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: MUS 1103.*  
*Co-requisite for music majors: MUS 2207.*
- MUS 2203 Music Theory IV (3)**  
Study and analysis of music from the Late Romantic period through 21<sup>st</sup> Century compositional and analytical practices.  
*Prerequisite: 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: 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.
- 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: 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.  
*Prerequisites: 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: 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.
- 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: MUS 1131.*
- MUS 3365 Class Composition (1)**  
Creative musical writing, criticism, and study of compositional techniques.  
*Prerequisite: 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: permission of instructor.*
- MUS 3382 Choral Techniques (3)**  
Organizational and instructional strategies for teaching music through performance in choir. Includes a field component.  
*Prerequisite: 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: MUS 1103 and junior standing.*
- MUS 3385 Symphony Band (1)**  
Select concert organization for performance of advanced literature for band and wind ensemble.  
*Prerequisite: Audition.*
- MUS 3386 Jazz Ensembles (1)**  
Select ensemble for performance in a wide variety of jazz styles.  
*Prerequisite: Audition.*

- MUS 3387 Concert Chorale (1)**  
This mixed chamber choir performs challenging classical, traditional, and contemporary choral repertoire.  
*Prerequisite: Audition.*
- MUS 4400/01/02 Selected Topics (1-3 per course)**  
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 Trumpet Ensemble (1)**  
Ensemble course open to all students.
- 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: 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 Exceptional 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: sophomore standing.*
- MUS 4461 Orchestration and Arranging (2)**  
Ranges, transpositions and other characteristics of standard instruments and voices. Arranging/composition projects.  
*Prerequisite: 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 (3-4)**  
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.  
*Prerequisites: 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: admission to TEP.*  
*Co-requisite: IED 4454.*
- MUS 4481 Methods and Materials for the Secondary Music Teacher (3-4)**  
Teaching methods, selection, organization and use of music materials in grades 6-12. Observation and teaching experiences will be included.  
*Prerequisites: MUS 4471 and admission to TEP.*
- MUS 4491-92 Guided Independent Research (1 to 3 credit hours per course)**  
Additional information may be found under Independent Study and Research.
- MUS 4493-94 Guided Independent Study (1 to 3 credit hours per course)**  
Additional information may be found under Independent Study and Research.
- MUS 4499 Senior Recital (1)**  
Required for all music majors.  
*Prerequisite: Approval Jury.*

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## NURSING COURSES (NSG)

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### (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.  
*Prerequisites: Admission to the ASN Program, ENG 1101, MTH 1112 or MTH 1110, PSY 2200.*  
*Prerequisites or Co-requisites: BIO 3347/ L347.*
- NSG 1131 Basic Nursing Concepts Practicum (2)**  
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.  
*Prerequisites: admission to the ASN Program, ENG 1101, MTH 1112 or MTH 1110, PSY 2200, BIO 3347/L347.*  
*Prerequisites or Co-requisites: NSG 1130, NSG 1135.*
- NSG 1135 Health Assessment Practicum (1)**  
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.

- Prerequisites: Admission to the ASN Program, ENG 1101, BIO 3347/L347, MTH 1112 PSY 2200, MTH 1112 or MTH 1110.*
- 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.  
*Prerequisites: NSG 1130, 1131, 1135, 1151, KHP 2211 OR NSG 2213, BIO 3348/L348, PSY 2210, and TROY 1101.*  
*Co- or Prerequisite: NSG 1141*
- NSG 1141 Foundations of Adult Health Nursing Practicum (3)**  
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.  
*Co-or Prerequisite: NSG 1140.*  
*Prerequisites: NSG 1130, 1131, 1135, 1151, KHP 2211 or NSG 2213, BIO 3348/L348, PSY 2210, TROY 1101.*
- 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 85% accuracy.  
*Prerequisites: admission to the ASN Program, ENG 1101, MTH 1112 or MTH 1110, PSY 2200, BIO 3347/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.  
*Prerequisites: 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 assisting the family during childbearing experiences. Applies theoretical knowledge from nursing, scientific, environmental and humanistic disciplines.  
*Prerequisites: NSG 1140, 1141, 2202, 2271, 2272, BIO 3372/L372.*
- NSG 2256 Maternal-Infant Nursing Practicum (2-4)**  
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.  
*Pre or Co-requisite: NSG 2255.*  
*Prerequisites: NSG 1140, 1141, 2202, 2271, 2272, BIO 3372/L372.*
- 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.  
*Prerequisites: NSG 1140, 1141, 2202, 2271, 2272, BIO 3372/L372.*
- NSG 2266 Nursing of Children Practicum (2-4)**  
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.  
*Pre or Co-requisite: NSG 2265.*  
*Prerequisites: NSG 1140, 1141, 2202, 2271, 2272, BIO 3372/L372.*
- 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.  
*Prerequisites: NSG 1130, 1131, 1135, 1151, 2204 2213. BIO 3348/L348, PSY 2210, TROY 1101, KHP 2211.*
- NSG 2272 Psychosocial Nursing Practicum (2)**  
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.  
*Pre or Co-requisite: 2271.*  
*Prerequisites: NSG 1130, NSG 1131, 1135, 1151, 2204, 2213, BIO 3348/L348, PSY 2210, TROY 1101, KHP 2211.*
- 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.  
*Prerequisites: NSG 2202, 2255, 2256, 2265, 2266, 2282, 2283.*
- NSG 2281 Advanced Nursing Practicum (6-12)**  
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.  
*Pre or Co requisite: NSG 2280.*  
*Prerequisites: NSG 2202, 2255, 2256, 2265, 2266, 2282, 2283.*
- NSG 2282 Adult Health Nursing II (2)**  
Continues to explore patient-centered care for adults and older adults with actual or potential health deviations. 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.  
*Prerequisites: NSG 1140, 1141, 2202, 2271, 2272, BIO 3372/L372.*
- NSG 2283 Adult Health II Practicum (2)**  
Focuses on the role of the professional nurse in providing high quality nursing care to older adults and families. 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 middle-aged adults with common health alterations.

*Pre or Co-requisite:* NSG 2282.

*Prerequisites:* NSG 1140, 1141, 2202, 2271, 2272, BIO 3372/L372.

### **(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 (1-2)**

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:* 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:* 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:* 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 (1)**

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:* 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:* NSG 3300, NSG 3306, NSG 3309/3310, NSG 3313/3314, NSG 3315

NSG 3306

#### **Perspectives of Professional Nursing (2)**

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:* 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.  
*Prerequisites: BIO 3347/L347, 3348/L348. Co-requisite: NSG 3310.*
- NSG 3310 Health Assessment Practicum (1-2)**  
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.  
*Prerequisites: BIO 3347/L347, 3348/L348. Co-requisite: 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: admission to BSN Program. Prerequisite or Co-requisite: NSG 3300, 3306, 3309/3310, 3315. Co-requisite: NSG 3314.*
- NSG 3314 Nursing Concepts Practicum (3-6)**  
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: admission to BSN Program. Prerequisite or Co-requisite: NSG 3300, 3306, 3309/3310, 3315. Co-requisite: 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.  
*Prerequisites: BIO 3347/L347, 3348/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.  
*Prerequisites: NSG 3325/3326, 3334/3335 or admission to RN-BSN/MSN track.*
- 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.  
*Prerequisites: NSG 3301, 3325/3326, 3334/3335. Co-requisite: 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.  
*Prerequisites: NSG 3301, 3325/3326, 3334/3335. Co-requisite: 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.  
*Prerequisites: NSG 3300, 3306, 3309/3310, 3313/3314, 3315. Co-requisite: NSG 3326.*
- NSG 3326 Adult Health Nursing I Practicum (3-6)**  
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.  
*Prerequisites: NSG 3300, 3306, 3309/3310, 3313/3314, 3315. Prerequisite or co-requisite: NSG 3301. Co-requisite: NSG 3325.*
- 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.  
*Prerequisites: NSG 3300, 3306, 3309/3310, 3313/3314, 3315. Co-requisite: 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  
*Prerequisites:* NSG 3300, 3306, 3309/3310, 3313/3314, 3315.  
*Co-requisite:* 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 multi-system 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.  
*Prerequisites:* NSG 3301, 3325/3326, 3334/3335.  
*Co-requisite:* 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.  
*Prerequisites:* NSG 3301, 3325/3326, 3334/3335.  
*Co-requisite:* 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:* 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.  
*Prerequisites:* BIO 3347, BIO L347, BIO 3348, BIO L348.  
*Co-requisites:* 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.  
*Prerequisites:* BIO 3347, BIO L347, BIO 3348, BIO L348.  
*Co-requisites:* 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:* NSG 3309/3310 or NSG 3345/3346.
- 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.  
*Prerequisites:* Current Registered Nurse license and admission to the RN to BSN/MSN clinical nursing sequence.
- 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:* BIO 3347/L347, 3348/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.  
*Prerequisites:* NSG 3319, 3323, 3324, 3336, 3337.  
*Co-requisite:* NSG 4404.
- NSG 4404 Child Health Nursing Practicum (2-4)**  
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.  
*Prerequisites:* NSG 3319, 3323, 3324, 3336, 3337.  
*Co-requisite:* 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.  
*Prerequisites:* NSG 4403/4404, 4413/4414, 4419  
*Co-requisite:* 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.  
*Prerequisites: NSG 4403/4404, 4413/4414, 4419*  
*Co-requisite: 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.  
*Prerequisites: NSG 4403/4404, 4413/4414.*
- 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.  
*Prerequisites: Admission to the RN-BSN/MSN Clinical nursing sequence.*  
*Co-requisite: NSG 4411.*
- NSG 4411 Population Health Nursing Practicum (2-4)**  
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.  
*Prerequisites: Admission to the RN-BSN/MSN clinical nursing sequence.*  
*Co-requisite: 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, multi-system health alterations.  
*Prerequisites: NSG 3323/3324, 3336/3337, 3319.*  
*Co-requisite: NSG 4414.*
- NSG 4414 Complex Nursing Practicum (2-4)**  
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.  
*Prerequisites: NSG 3323/3324, 3336/3337, 3319.*  
*Co-requisite: 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.  
*Prerequisites: NSG 4403/4404, 4413/4414, 4419.*  
*Co-requisite: NSG 4421.*
- NSG 4417 Professional Nursing Seminar (1)**  
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 satisfactory completion of exit exam per BSN program policy.  
*Prerequisites: NSG 4403/4404, 4413/4414, 4419.*  
*Co-requisite: 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.  
*Prerequisites: NSG 3323/3324, 3336/3337, 3319.*
- NSG 4421 Professional Nursing Clinical Preceptorship (3-12)**  
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.  
*Prerequisites: NSG 4403/4404, 4413/4414, 4419.*  
*Co-requisite: NSG 4415, 4417.*
- NSG 4430 Advanced Nursing Theory (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.  
*Prerequisites: admission to the RN-BSN/MSN clinical nursing sequence or Flexible Option, NSG 3309/3310, 3319, 3370, 4410/4411.*  
*Co-requisite: NSG 4431.*
- NSG 4431 Advanced Nursing Preceptorship (2-4)**  
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.  
*Prerequisites: admission to the RN-BSN/MSN clinical nursing sequence or Flexible Option, NSG 3309/3310, 3319, 3370, 4410/4411.*  
*Co-requisite: 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.  
*Prerequisites: Admission to RN-BSN/MSN clinical nursing sequence or Flexible Option; NSG 3319, NSG 3370.*

**NSG 4493-94 Guided Independent Study (1 to 3 credit hours)**  
Additional information is indexed under Academic Regulations.  
*Prerequisite: Permission of instructor. Also see index for "Independent Study and Research.."*

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### PHILOSOPHY COURSES (PHI)

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**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 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.

**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.  
*Prerequisite: Permission of instructor. Course may be repeated for credit with permission of instructor.*

**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.  
*Prerequisite: Permission of Instructor*  
*May be repeated for credit with permission of instructor.*

**PHI 4493-94 Guided Independent Study (1-3)**  
Guided independent study of a designed topic of special interest.  
*Prerequisites: PHI 2203 or 2204 or permission of instructor.*

**PHI 4495 Selected Topics in Philosophy (3)**  
Advanced study of a designed topic of special interest.  
*Prerequisites: PHI 2203 or 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.  
*Prerequisite: 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. Course may be repeated for credit with permission of instructor.*

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### PHYSICS COURSES (PHY)

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**PHY 2252 General Physics I (3)**  
An introduction to the laws of mechanics and thermodynamics.  
*Prerequisite: MTH 1114.*  
*Co-requisite: PHY L252.*

**PHY L252 General 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: PHY 2252.*

**PHY 2253 General Physics II (3)**  
An introduction to the laws of optics, electricity and magnetism.  
*Prerequisite: PHY 2252/L252.*  
*Co-requisite: PHY L253.*

**PHY L253 General 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: PHY 2253.*

**PHY 2262 Physics I with Calculus (3)**  
Introduction to the principles and laws of mechanics and thermodynamics, utilizing the methods of calculus.  
*Co-requisite: MTH 1125 or higher math course, PHY L262.*

**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: PHY 2262.*

**PHY 2263 Physics II with Calculus (3)**  
Introduction to the principles of electricity, magnetism and optics, utilizing the methods of calculus.  
*Prerequisite: PHY 2262/L262.*  
*Co-requisite: PHY L263.*

- 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: PHY 2263.*
- PHY 3310 Modern Physics (3)**  
Topics covered include special relativity, quantum mechanics, statistical physics, and nuclear physics.  
*Prerequisites: MTH 1126, PHY 2263/L263.*  
*Co-requisite: PHY L310.*
- PHY L310 Modern Physics Lab (1)**  
Selected experiments in modern physics.  
*Co-requisite: 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: MTH 2227.*
- PHY 3321 Equations of Mathematical Physics (3)**  
This introductory course in partial differential equations will undertake a study in heat transfer, fluid dynamics and wave propagation.  
*Prerequisite: 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.  
*Prerequisites: PHY3310/PHYL310.*
- 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: PHY 2253/L253 or PHY 2263/L263.*  
*Co-requisite: 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: 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.  
*Prerequisites: PHY 2253/L233 or PHY 2262/L262 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: PHY 2263/L263, 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: 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: 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.  
*Prerequisites: PHY 3310, MTH 2227.*
- 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: 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.  
*Prerequisites: Permission of Instructor*
- PHY 4470 Nuclear Physics (3)**  
Topics include nuclear structure, nuclear forces, nuclear decays and reactions. Students will also learn to apply these principles to other branches of science and engineering.  
*Prerequisite: PHY 4445.*
- 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: PHY 4445.*
- PHY 4478 Relativity II (3)**  
Topics include rotating black holes, Hawking radiation, cosmology, tensor calculus, and Einstein field equations.  
*Prerequisites: Permission of instructor.*
- PHY 4482 String Theory (3)**  
Special Relativity in extra dimensions, electromagnetism and gravitation in various dimensions, non relativistic strings, the relativistic point particle, relativistic strings, string parameterization and classical motion, world sheet currents, light cone relativistic strings, light cone fields and particles, relativistic quantum point particles, relativistic quantum open strings, relativistic quantum closed strings, peek at relativistic superstrings.  
*Prerequisite: PHY 4446, PHY 4460 (or permission of instructor).*
- PHY 4483-4485 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 4491-92 Guided Independent Research (1 to 4 credit hours)**  
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.  
*Prerequisite: Senior standing or permission of department chair. Also see index for "Independent Study and Research.."*
- PHY 4493-94 Guided Independent Study (1 to 4 credit hours)**  
Independent study for advanced students under the direction of a faculty member.  
*Prerequisite: 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.  
*Prerequisites: 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: Permission of the instructor.*

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### POLITICAL SCIENCE COURSE (POL)

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- POL 1101 Politics and Popular Culture (3)**  
Politics and popular culture have always been closely connected. Politicians seek to show how connected they are to the public, and try to use media and popular culture to do this. 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. There is an emphasis on the historical progression of mass media, as well as the influence of the media on politics and policies.
- POL 1110 Politics in the Digital Age (3)**  
The digital age has revolutionized the way that people get information and communicate. Where communication and information-gathering once took time and expertise, in the digital age, information and communication is now virtually instantaneous. This is both a benefit and hindrance to politics. On the one hand, candidates can have instant communication with supporters and the people that they represent. On the other hand, the ease of sharing information and communication lends itself to false narratives and presenting alternative truths. This class will examine digital media as a political tool. Students will learn how different digital media is from traditional media. They will learn positive and negative aspects of politics in the digital age. Students will be expected to actively engage in the political process through digital media. This class is a general studies course and will fulfill the general studies requirement.
- 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, nature, and process of political actions 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)**  
Students taking this course will learn to apply critical thinking skills to the task of understanding the process by which citizens of democratic societies elect their political leaders. Not limited to elections in the U.S., and among other things, 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 that gerrymandering and demobilization efforts have on electoral outcomes. We will explore the impact of elections on public policy, and the impact of public policy on elections. Discussion topics will include political parties, interest groups, voter fraud, voter intimidation, candidate-centered campaigns, campaign advertisement, ethics, and the role of rhetoric in elections.
- POL 3300 Foundations of Political Science (3)**  
An introduction to the discipline of political science, this course offers an overview of the sub-fields 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, from a historical and contemporary point of view, the political, social, and economic trends and issues facing women. The course analyzes political theories and public policies that shape women’s political participation in the United States and elsewhere. This includes an examination of political institutions and processes at the national, state, and local governmental levels facing women.
- POL 3339 African-American Politics (3)**  
This course identifies and analyzes, from a historical and contemporary point of view, the political, social, and economic trends and issues facing African-Americans. The course analyzes political theories and public policies that shape African-American political participation in the United States and elsewhere. Topics will vary to include the Civil Rights Movement, Black Presidential Bids, racism in American public policy, and U.S. Courts and Congress.
- 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, political processes and subordinate levels of government.
- 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, the historical development of the contemporary international system, foreign policies of states, the search for 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 voting, the role of Southerners in the U.S. Senate and House of Representatives, and the current voting patterns and habits of the region. The course looks specifically at the politics of Alabama, Florida, Georgia, Mississippi, Louisiana, and South Carolina.
- 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. Among topics to be covered are the epistemological and methodological skills.  
*Prerequisites: POL 3300 Foundations of Political Science.*
- 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 scholar debates in the areas of behavior and opinion research. This course 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.  
*Prerequisites: 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: bases, emergence, escalation, de-escalation, negotiation, mediation, termination, and consequences. 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 to 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 4432 Comparative Public Policy (3)**  
This course examines the process of policy making in a cross-comparative framework that illustrates how different nation states, both in the developed and the developing worlds, 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 that lead to differences and international tensions.
- POL 4440 Advanced Research Methods (3)**  
Development and application of critical thinking skills necessary in basic, applied, and evaluative research methodologies and data analysis techniques. Students apply these advanced methodologies to issues, programs, and research problems in political science.  
*Prerequisites: 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 from a historical, political, jurisprudential, and philosophical standpoint. 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, examining goals, resources, effectiveness, equilibrium, and change relating to organizations and their relationship to administration.
- POL 4460 Intercultural Relations (3)**  
An analysis of the influence of culture on interstate relations including theories, concepts, and applications.
- 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. The course will begin by examining the

- major historical events from the birth of Israeli to the present day. Attention will be given to important groups, events, movements that will allow the complexity of this relationship to come to light. Additionally, the course will focus on the relationship between the West, particularly Europe and the United States, and the Middle East.
- 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. The substantive focus is on the political process and its policy outcomes. 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 between two contentious topics in the United States, religion and politics. In this course, the focus is on the manner in which religion, defined in organizational terms, as a system of beliefs, as a source of faith and morality, and as specific types of behaviors, intersects with and influences various aspects of American politics. These aspects of politics include morality and “moral politics” issues, political behaviors, public and individual opinions, campaigns and electoral mobilization, as well as domestic and foreign policy.
- 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, including the powers and procedures that control administrative discretion, rule-making, investigations, prosecuting, negotiating, and settling; constitutional law, statutory law, common law, and agency-made law; the liability of governments and their officers; and selected court 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. It employs an interdisciplinary, case-study approach.
- POL 4476 Politics of Southeast Asia (3)**  
This course involves the study of politics in 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.  
*Prerequisites: 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 to 3 credit hours)**  
Supervised work in an agency that can provide practical experience in the field of study.  
*Prerequisites: senior standing and approval of supervising instructor and the department chair.*
- POL 4491-92 Guided Independent Research (1 to 3 credit hours each)**  
*Note: Additional information is indexed under Independent Study and Research.*
- POL 4493-94 Guided Independent Study (1 to 3 credit hours each)**  
*Note: Additional information is indexed under Independent Study and Research.*
- 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.
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- PUBLIC RELATIONS JOURNALISM (PRJ)**
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- PRJ 2230 Introduction to Public Relations (3)**  
This introductory course examines the communication and persuasion concepts underpinning public relations, in addition to public relations history, role, ethical and professional standards, strategic planning and tactical planning.
- PRJ 3321 Public Relations Cases and Strategies (3)**  
A case study and project-based approach to public relations research, strategy setting and tactical implementation.  
*Prerequisites: PRJ 2230 and either JRN 1102 or PRJ 3375.*
- PRJ 3375 Public Relations Writing (3)**  
This course (designed for non-journalism majors) 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)**  
Practical experience in preparation of public relations messages for a client. This course is limited to juniors and seniors  
*Prerequisite: PRJ 3321.*  
*Co-requisite: PRJ 4423.*
- PRJ 4423 Public Relations Case Studies (3)**  
Application of 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: PRJ 3321.*  
*Co-requisite: PRJ 4419.*
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- PSYCHOLOGY COURSES (PSY)**
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- 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 (3)**  
Introduction to the language of psychology, APA writing style, and library research. Also includes an overview 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: 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: 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: 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: 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.  
*Prerequisites: 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 and diagnosis 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 problems, anxiety, mood, mental retardation, and autism.
- 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.  
*Prerequisite: Junior standing or above.*  
*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.  
*Prerequisite: admission to TEP. Note: May not be used to meet the requirements for the psychology major or minor.*
- 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: 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: 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.  
*Prerequisite: PSY 2230.*
- 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: 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. The Major Field Test (MFT) will be administered in PSY 4400.  
*Prerequisite: 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: 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: 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: 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: 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: 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: 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 Applied Behavior Analysis (3)**  
This course covers the characteristics of behavior analysis as well as the basics of behavior-change procedures. Students will design, plan, implement, and present a behavior-change project.
- PSY 4461 Applied Behavior Analysis Field Experience (3)**  
Students will be provided individual supervision by an approved supervisor according to the behavior analysis certification board's (BACB) standards while engaged in the practice of applied behavior analysis. Travel to the assigned clinical site will be required. Regular and prompt attendance at the clinical site will be required. The supervisor must directly observe the student engaged in the practice of applied behavior analysis with their client at least once during every supervisory period in accordance to BACB standards. Students will engage in a variety of activities approved by the BACB such as (a) conduct behavioral assessments; (b) provide behavioral therapy to clients; (c) read related articles from the behavior analytic literature; (d) collect, graph, and analyze client and/or procedural integrity data; and (e) design and implement caregiver and/or staff training. This course may be taken for repeat credit with a different assigned client.  
*Prerequisite: PSY 4459 AND Instructor approval.*
- PSY 4462 Applied Behavior Analysis Pre-Practicum (1)**  
This course prepares students for participating in the applied behavior analysis practicum courses. Students must obtain liability insurance and pass a criminal background check. Students must pass a test on the ethics of working with special populations (e.g., client confidentiality). Students are required to take and pass the behavior analysis certification board's training module on experience

and supervision standards. Students are required to complete 15 hours of observation of the practice of applied behavior analysis.

*Prerequisite: PSY 4459 AND permission of the course instructor.*

PSY 4460

**Cognitive Psychology (3)**

A study of human intellectual functioning including attention, perception, memory, problem solving, reasoning and language.

*Prerequisite: PSY 2230 and an additional three semester hours of psychology.*

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: six semester hours of psychology.*

PSY 4474

**Evaluation of Research for the Behavioral Treatment of Individuals with Autism and Developmental Delays (3)**

This course will present a behavioral view of autism and provide a brief overview of the history of behavioral treatment of autism and other developmental delays. This course will provide a brief overview of single-subject research designs and data analysis. Students will evaluate research studies that are seminal in the field of the behavioral treatment of children with autism and developmental delays in terms of (a) ethics, (b) research design, and (c) visual analysis.

PSY 4475

**Theories of Training and Evaluation (3)**

Examines evaluation issues such as criteria development, organizational assessment, process and outcome criteria, along with instructional methodologies such as fairness in training, special populations, second careers, and ethics of organizational and industrial change.

*Prerequisite: six semester hours of psychology.*

PSY 4476

**Behavioral Treatment of Individuals with Autism and Developmental Delays (3)**

In this course, students will identify, describe, and practice behavioral change procedures using: (a) positive and negative reinforcement, (b) positive and negative punishment, (c) shaping, (d) each type of verbal operant, (e) extinction, and (f) differential reinforcement. Students will contrast discrete-trial teaching and incidental teaching methods and practice using both.

*Prerequisite: PSY 4459.*

PSY 4477

**Behavioral Assessment of Individuals with Autism and Developmental Delays (3)**

This course will prepare the student to conduct behavioral assessments including a functional behavior assessment (FBA), VB-MAPP, and ABLLS. Based on the results of the assessment, students will write a behavioral treatment plan.

*Prerequisite: PSY 4459.*

PSY 4478

**The Behavior Analyst as a Professional and Ethical Practitioner (3)**

Through a variety of topics and activities, this course will prepare the student for working in a professional setting (e.g., a clinic for the behavioral treatment of children with autism.) Topics covered include: (a) training and supervising others in implementing behavior-change procedures, including parents; (b) advanced behavior-change procedures such as contingency contracts, group contingencies, self-management, and programming for generalization and maintenance; (c) the Behavior Analyst Certification Board's ethical guidelines for behavior analysts; and (d) possible undesired side-effects of using behavior-change procedure such as reinforcement, extinction, and punishment. Students

will design, plan, implement, and present a behavior-change project.

*Prerequisites: PSY 4474, PSY 4477.*

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: Senior standing.*

PSY 4485

**Psychology Study Aboard (3)**

This course examines how culture is related to human behavior. Relates major principles and theories of psychology to two or more cultures during a Study Abroad experience in a host country or countries.

*Prerequisites: PSY 2200 or Psychology Major or Minor.*

PSY 4490

**Field Experience in Psychology—I**

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.

*Prerequisites: 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.

*Prerequisite: Junior or senior standing with a minimum overall GPA of 3.0. Guided independent research may be taken only in the applicant's major or minor field. May not be used to repeat a course for which a grade of D or below has been earned. Also see index for "Independent Study and Research."*

PSY 4492

**Guided Independent Research (1 to 3 credit hours)**

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.

*Prerequisite: Junior or senior standing with a minimum overall GPA of 3.0. Guided independent research may be taken only in the applicant's major or minor field. May not be used to repeat a course for which a grade of D or below has been earned. Also see index for "Independent Study and Research."*

**PSY 4493-94 Guided Independent Study (1 to 3 credit hours)**

Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills.  
*Prerequisite: Junior or senior status, permission of guiding professor, approval of department chair and the 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. May not be used to repeat a course for which a grade of D or below has been earned. Also see index for "Independent Study and Research".*

**PSY 4495 Field Experience in Psychology - II**

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.  
*Prerequisites: Junior or senior standing, instructor approval, PSY 4490 and an overall institutional GPA of 3.0.*

**PSY 4496 Applied Behavior Analysis Practicum I (3)**

Prior to enrollment, students must have a criminal background check and professional liability insurance. Students must complete 250 hours of supervised experience delivering applied behavior analysis services in a clinical setting. Students are not allowed to be paid for their service delivery as they are receiving course credit. Students must meet with the instructor for class, which counts as the group-supervision component. During class, students will practice delivering behavioral-analytic services. Students must meet weekly with an approved Board Certified Behavior Analyst (BCBA) for individual supervision. During individual supervision, the BCBA must (a) observe the student engage in practice and (b) provide written and verbal feedback on that practice according to the BACB guidelines for supervision. The course is limited to 10 students.  
*Prerequisites: PSY 4478 AND permission of the instructor.*

**PSY 4497 Applied Behavior Analysis Practicum II (3)**

Students must complete 250 hours of supervised experience delivering applied behavior analysis services in a clinical setting. Students are not allowed to be paid for their service delivery as they are receiving course credit. Students must meet with the instructor for class, which counts as the group-supervision component. During class, students will practice delivering behavior-analytic services. Students must meet weekly with an approved Board Certified Behavior Analyst (BCBA) for individual supervision. During individual supervision, the BCBA must (a) observe the student engage in practice and (b) provide written and verbal feedback on that practice according to the BACB guidelines for supervision. The course is limited to 10 students.  
*Prerequisites: PSY 4496 AND permission of the instructor.*

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## QUANTITATIVE METHODS COURSES (QM)

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**QM 2241 Business Statistics and Data Analytics (3)**  
 An introduction to statistics and data analytics in business that supports business decisions and the solution to business problems utilizing descriptive and inferential statistical concepts and methods. Topics include grouping of data, measures of central

tendency and dispersion, probability concepts, sampling, statistical estimation, and statistical hypothesis testing.  
*Prerequisite: MTH 1112 and IS 2241.*

**QM 3342 Introduction to Operations Research (3)**  
 An introduction to quantitative techniques applicable to business and economics. Topics include queuing analysis, transportation programming, PERT/CPM, and simple linear regression.  
*Prerequisite: QM 2241.*

**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.  
*Prerequisites: Lower-level Core, MGT 3300, QM 2241, IS 2241.*

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## READING/LITERACY COURSES (RED)

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**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 Language and Literacy K-6 (3)**  
 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: admission to TEP.*  
*Co-requisite: RED L310.*

**RED L310 Language and Literacy Lab (1)**  
 This course includes Lab/Field-oriented experiences designed to enhance 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: admission to TEP.*  
*Co-requisite: 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.  
*Prerequisite: admission to TEP.*

**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.  
*Prerequisites: admission to TEP.*

**RED 4483 Reading Intervention Strategies (3)**  
 Principles of assessment and evaluation for improving the language and literacy learning. Pre-service teachers will be introduced to the variety of screening and testing instruments for use in

modifying students' instructional programs. Formal and informal methods for classroom observations will be explored, and methods for translating data collected for classroom management and/or communication to learners' parents will be introduced. The issues of privacy and ethical treatment of confidential records will also be addressed.

*Prerequisites:* : (1) Admission to TEP and (2) RED 3310 or with the permission of the department chair or designee.

*Co-requisite:* RED L483.

**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:* admission to TEP.  
*Co-requisite:* RED 4483.

**RED 4491-92 Guided Independent Research (1 to 3 credit hours)**  
 Undergraduate research with attention to critical evaluation of research techniques, methods and procedures.  
*Prerequisites:* 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. May not be used to repeat a course for which a grade of D or below has been earned.  
 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."

**RED 4493-94 Guided Independent Study (1 to 3 credit hours)**  
 Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills.  
*Prerequisites:* Junior or senior status, permission of guiding professor, approval of department chair and the 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. May not be used to repeat a course for which a grade of D or below has been earned. Also see index for "Independent Study and Research."

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**REHABILITATION COURSES (RHB)**

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**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:* MTH 1110 or 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:* 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 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 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.  
*Prerequisites:* 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.

*Prerequisites: Rehabilitation major, RHB 4410. Practicum site must be approved by instructor during RHB 4410.*

**RHB 4430 Rehabilitation Practicum II (3)**  
with  
setting.

Supervised experience in a rehabilitation setting 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.

*Prerequisites: Rehabilitation major, RHB 4410. Practicum site must be approved by instructor during RHB 4410.*

**RHB 4430 Rehabilitation Practicum III (3)**  
with  
setting.

Supervised experience in a rehabilitation setting 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.

*Prerequisites: 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: 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: permission of instructor.*

## RELIGION (REL)

**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 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.

*Prerequisite: Permission of instructor. Course may be repeated for credit with permission of instructor.*

**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.

*Prerequisite: Permission of Instructor*

**REL 4499 Internship in Religion (1-3)**  
Supervised work in an agency that can provide experience in the field of study.

*Prerequisites: 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. Course may be repeated for credit with permission of instructor.*

## RISK MANAGEMENT AND INSURANCE COURSES (RMI)

**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: Lower-level Core or permission of department chair.*

**RMI 3346 Life and Health Insurance (3)**  
Study of types of life insurance and annuity contracts and their uses; regulations of life and health insurers; development of financial plans utilizing life insurance products; Social Security; group and individual health insurance products including major medical, disability income and long-term care policies and analysis of the marketplace.

*Prerequisite: RMI 3335.*

**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: RMI 3335.*

**RMI 4440 Corporate Risk Management (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).

*Prerequisite: RMI 3335 or permission of department chair.*

**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: Concurrent with RMI 3348*

**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: RMI 3335*

**RMI 4442 Insurance Operations (3) (capstone)**  
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. This course is the capstone course for the concentration. <i>Prerequisites: RMI 3335, RMI 3346, RMI 3348.</i>		
RMI 4465	<b>Insurance Law (3)</b> An introduction to the legal principles underlying insurance contracts and the issuing of insurance contracts, with special emphasis on the U.S. legal system, contract law, property law, tort law, agency law, and employment law. <i>Prerequisite: RMI 3335.</i>	SCI L335	<b>Physical Geology Lab (1-2)</b> Laboratory studies of constructive and destructive processes which alter the earth. <i>Co-requisite: SCI 3335.</i>
RMI 4478	<b>Employee Benefit Planning (3)</b> 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. <i>Prerequisites: RMI 3335.</i>	SCI 3365	<b>Principles of Applied Science (3)</b> 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.
RMI 4491-92	<b>Guided Independent Research (1 to 3 credit hours per course per semester)</b> Additional information is indexed under Independent Study and Research.	SCI 3366	<b>Survey of Electronics Technology (3)</b> 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.
RMI 4493-94	<b>Guided Independent Study (1 to 3 credit hours per course per semester)</b> Additional information is indexed under Independent Study and Research.	SCI 3370	<b>Toxic, Radioactive, &amp; Hazardous Materials (3)</b> 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.
RMI 4498	<b>Internship (3)</b> 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.	SCI 4440	<b>Travel Study in Comprehensive General Science (1-3)</b> Supervised investigation of relevant topics in Comprehensive General Science through travel-study abroad or within the interior of the United States.
RMI 4499	<b>London Study Abroad (3)</b> The London study abroad trip provide students with first-hand exposure to the center of the excess and surplus lines market, Lloyds. See the RMI department for specific requirements.	SCI 4450	<b>Science in a Regulatory Environment (3)</b> An examination of the applications of Biology, Chemistry, and Physical Sciences for compliance with select environmental regulations. <i>Prerequisites: Biology, Chemistry or Physical Science.</i>
<b>SCIENCE COURSES (SCI)</b>			
SCI 2233	<b>Physical Science (3)</b> Basic chemistry and physics for non-science majors <i>Co-requisite: SCI L233. Note: Credit does not count toward a major in any science curriculum.</i>	SCI 4474	<b>Internship in Science Education (9)</b> 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. <i>Prerequisite: admission to TEP. Co-requisite: SED 4454.</i>
SCI L233	<b>Physical Science Lab (1)</b> Laboratory experiments in basic chemistry and physics. <i>Co-requisite: SCI 2233.</i>	SCI 4481	<b>Methods and Materials for the Secondary Teacher (3)</b> 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. <i>Prerequisite: admission to TEP.</i>
SCI 2234	<b>Earth and Space Science (3)</b> Basic astronomy and geology for non-science majors. <i>Co-requisite: SCI L234. Note: Credit does not count toward any major in the sciences.</i>		
SCI L234	<b>Earth and Space Science Lab (1)</b> Laboratory experiments in basic astronomy and geology. <i>Co-requisite: SCI 2234.</i>		
SCI 2240	<b>Principles of Astronomy (3)</b> Basic facts and theories related to astronomical phenomena. <i>Co-requisite: SCI L240.</i>		
SCI L240	<b>Astronomy Lab (1)</b> Star and constellation identification and observations using the telescope. <i>Co-requisite: SCI 2240.</i>		
SCI 3335	<b>Physical Geology (3)</b> Constructive and destructive processes which alter the earth. <i>Co-requisite: SCI L335.</i>		

- SCI 4491-92 Guided Independent Research (1 to 4 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.
- SCI 4493-94 Guided Independent Research (1 to 4 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.
- 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.

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### SECONDARY EDUCATION COURSES (SED)

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- 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: admission to TEP.*  
*Co-requisite: 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: admission to TEP.*  
*Co-requisite: 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.  
*Prerequisites: EDU 3310 and admission to TEP.*
- SED 4491-92 Guided Independent Research (1 to 3 credit hours)**  
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures.  
*Prerequisites: 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. May not be used to repeat a course for which a grade of D or below has been earned. 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."*

- SED 4493-94 Guided Independent Study (1 to 3 credit hours)**  
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills.  
*Prerequisites: Junior or senior status, permission of guiding professor, approval of department chair and the 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. May not be used to repeat a course for which a grade of D or below has been earned. Also see index for "Independent Study and Research."*

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### SOCIOLOGY COURSES (SOC)

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- 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 2280 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 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: 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: 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: 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 contexts. Examines the roles of race relations, social class, gender, inequalities, region, genre, commercial exploitation and technology in the evolution of popular music.  
*Prerequisite: 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: 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: 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: 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: 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: 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: SOC 2275.*
- 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: SOC 2275.*
- SOC 3356 Sociology of Aging (3)**  
Sociological examination of global social changes precipitated by the demographic phenomenon of the aging of U. S. society and other societies. Addresses the heterogeneity of the older population, their locations, perceptions, and constraints. Issues such as housing, transportation, health care, and death and dying are explored.  
*Prerequisite: 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: 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: 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: SOC 2275.*
- SOC 3375 Sociology Study Abroad (1-3)**  
Supervised investigation of relevant topics in sociology through travel study abroad or within the interior of the United States.  
*Prerequisites: Applicable survey courses and permission of the instructor.*
- 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: SOC 2275.*
- SOC 4406 Urban Sociology (3)**  
Historical, physical, economic, and social evolutions of urbanized areas. Emphasis on contemporary urban problems with implications for policy and planning.  
*Prerequisite: SOC 2275.*
- SOC 4408 Rural Sociology (3)**  
A study of rural society, its organization, agencies, institutions, population trends and composition, patterns of settlement, social processes and change in character.  
*Prerequisite: 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: 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: SOC 2275.*
- SOC 4413 Minorities in U. S. Social Structure (3)**  
An analysis of the role of racial and cultural minorities in American society. Examines contributions of anthropology, sociology, and psychology to theories of minority/majority group relations.  
*Prerequisite: SOC 2275.*
- SOC 4420 Sociological Theory (3)**  
Survey of sociological theory with emphasis on theorists, their works and contributions to modern sociological theory.  
*Prerequisite: 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: 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 21<sup>st</sup> Century.  
*Prerequisite: 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: 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: 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: 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: 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: SOC 2275.*
- SOC 4456 Gerontology (3)**  
Gerontology is the study of the process of human aging in all its many aspects: Physical, psychological, and social. There is a specific emphasis on important elements of aging, such as socialization, family interaction, retirement, physical and psychological aging, and perceptions of older persons in contemporary society.  
*Prerequisite: SOC 2275.*
- SOC 4459 Sociology of Health, Medicine and Illness (3)**  
The sociological perspective applied to medicine. Topics include changing ideas of disease causation, the role of practitioners and patients, the institutional setting, differential delivery of health services,
- differential patterns of morbidity and mortality based on age, gender, race and socio-cultural variables, and the politics of health.  
*Prerequisite: 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: SOC 2275.*
- SOC 4490 Internship in Sociology (1-3)**  
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: Approval of the student’s academic adviser and department chair and SOC 2275.*
- SOC 4491-92 Guided Independent Research (1 to 3 credit hours per course per semester)**  
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures.  
*Prerequisites: SOC 2275, 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. 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.”.*
- SOC 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**  
Supervised study through field and laboratory projects, guided readings, creative endeavors or achievement of specific skills.  
*Prerequisites: SOC 2275, 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. 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.”.*
- SOC 4495 Selected Topics (3)**  
Designed as a vehicle for the exploration of topics of current interest within the major discipline of sociology.  
*Prerequisite: SOC 2275.*

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**SPECIAL EDUCATION COURSES (SPE)  
(COLLABORATIVE TEACHER)**

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- SPE 3301 Advanced Introduction to 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.  
*Prerequisites: SPE 3340 & Admission to TEP.*
- 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: 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.  
*Prerequisites: 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.  
*Prerequisites: SPE 3302 and admission to TEP.*
- SPE 3305 Transition Planning (3)**  
This course emphasizes educational strategies that promote the post-school adjustment of students with disabilities. Special emphasis is placed on the legal foundation of transition and effective transition models.  
*Prerequisites: SPE 3303, 3304, 3340, and admission to TEP.*
- SPE 3306 Teaching Students with Mild Disabilities (3)**  
This course will focus on organizational procedures, universal design of curriculum, methods and techniques used in educating students with specific learning disabilities, mild mental retardation, emotional/behavioral disorders, and attention deficit/hyperactive disorders in grades kindergarten through six who are in need of academic and social learning support in the general education classroom or in a special education classroom. Emphasis will be placed on direct teaching, designing accommodations and adaptations to teaching materials and methods in an effort to assist the disabled learner in accessing the general education curriculum in both a resource room and/or an inclusive general education classroom. This course requires extensive work within the K-6 special education and general education classrooms of a public school.  
*Prerequisite: admission to 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: admission to TEP.*
- SPE 3309 Teaching Students with Moderate/Severe Disabilities (3)**  
This course emphasizes a variety of divergent strategies and resources that enhance the educational performance of students with moderate and severe disabilities. Special emphasis is placed on the design of a circle of care for students with complex needs.  
*Prerequisite: admission to TEP.*
- SPE 3340 Diverse Learners (3)**  
This course is oriented toward identifying exceptional students and providing appropriate learning experiences in the classroom setting. This
- course is a survey of the nature and needs of exceptional children and an introduction to their educational programs.
- 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: admission to TEP.*
- SPE 4407 Inclusive Strategies (3)**  
This course provides students with both the intrapersonal and interpersonal skills needed to effectively collaborate with other teachers, administrators, parents, and agencies.  
*Prerequisite: 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: admission to TEP.*
- SPE 4454 Internship Seminar (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.  
*Prerequisites: SPE 4465 and admission to TEP.*
- SPE 4465 Collaborative Teacher (6-12) Internship (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 innovative, informed, reflective decision-maker through the internship experience.  
*Prerequisite: SPE 4454 and admission to TEP.*
- SPE 4474 Collaborative Teacher K-6 Internship (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: admission to TEP. Co-requisite: SPE 4454.*
- SPE 4491-92 Guided Independent Research (1 to 3 credit hours)**  
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures.  
*Prerequisites: 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. May not be used to repeat a course for which a grade of D or below has been earned. 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 4493-94 Guided Independent Study (1 to 3 credit hours)**  
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills.  
*Prerequisites: Junior or senior status, permission of guiding professor, approval of department chair and the 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. May not be used to repeat a course for which a grade of D or below has been earned. Also see index for "Independent Study and Research."*

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### SPANISH COURSES (SPN)

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*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: SPN 1141 or permission of instructor.*
- SPN 2241 Intermediate Spanish I (3)**  
Development of basic language skills in Spanish.  
*Prerequisite: SPN 1142 or permission of instructor.*
- SPN 2242 Intermediate Spanish II (3)**  
Development of basic language skills in Spanish.  
*Prerequisite: SPN 2241 or permission of instructor.*
- SPN 3332 Advanced Spanish I (3)**  
Development of advanced language skills in Spanish with emphasis on aural comprehension, conversation, reading, and composition.  
*Prerequisite: SPN 2241 or permission of instructor.*
- SPN 3333 Advanced Spanish II (3)**  
Development of advanced language skills in Spanish with emphasis on aural comprehension, conversation, reading, and composition.  
*Prerequisite: 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: Permission of instructor.*
- SPN 3351 Spanish Culture on Location II (3-TBA)**  
Local orientation followed by study in a Spanish-speaking environment.  
*Prerequisite: 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: SPN 2242 or permission of instructor.*
- SPN 4448 Spanish Literature I (3)**  
Selected authors, periods, or genres in the literature of Spain.  
*Prerequisite: SPN 2242 or permission of instructor.*
- SPN 4449 Spanish Literature II (3)**  
Selected authors, periods, or genres in the literature of Spanish-America.  
*Prerequisite: SPN 2242 or permission of instructor.*
- SPN 4451 Spanish Culture and Civilization I (3)**  
Geography, history, cultural achievements, institutions, and daily life of Spain.  
*Prerequisite: SPN 2242 or permission of instructor.*
- SPN 4452 Spanish Culture and Civilization II (3)**  
Geography, history, cultural achievements, institutions, and daily life of Spanish-American cultures.  
*Prerequisite: SPN 2242 or permission of instructor.*
- SPN 4491-92 Guided Independent Research (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.
- SPN 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)**  
Additional information is indexed under Independent Study and Research.
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- ### SOCIAL SCIENCE COURSES (SS)
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- 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.  
*Prerequisites: Applicable Survey courses 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: ENG 1102 or equivalent*
- SS 3376 Statistics in the Social Sciences (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: General studies math.*
- SS 4450 Selected Topics (3)**  
Designed as a vehicle for the exploration of topics of current interest within the major discipline of social science.
- 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: admission to TEP.*  
Co-requisite: 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: admission to TEP.*
- SS 4493-4494 Guided Independent Study (1-3)**  
Supervised study through field and laboratory projects, guided readings, creative endeavors or achievement of specific fields.

	<p><i>Prerequisites: Junior or senior standing, with a minimum 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. It may not be used to repeat a course for which a grade of D or below has been earned. Application forms are available in the Departmental Office. Guided independent study may be taken only in the applicant's major or minor field.</i></p>	<p>combinations, common discrete and continuous distributions, expected value, mean, variance, multivariate distributions, covariance, Central Limit Theorem. <i>Prerequisite: MTH 1125 and STAT 2210.</i></p>
SS 4497	<p><b>Internship in Social Science (1-3)</b> Application of skills and knowledge of social science in government agencies, public service institutions, or similar situations under the supervision of a faculty member. <i>Prerequisite: Approval of the student's academic advisor and chair of the Division of Social Sciences.</i></p>	<p><b>STAT 4452 Mathematical Statistics II (3)</b> 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. <i>Prerequisite: STAT 4451.</i></p>
SS 4498	<p><b>Social Science Theory (3)</b> 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.</p>	<p><b>STAT 4456 Mathematics of Finance (3)</b></p> <p><b>STAT 4459 Regression Analysis (3)</b> 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. <i>Prerequisite: STAT 4451.</i></p>
SS 4499	<p><b>Senior Seminar (3)</b> 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. <i>Prerequisites: SS 3375, SS 3376, and either SS 4498 or SOC 4420. Senior status or permission of the instructor</i></p>	<p><b>STAT 4464 Multivariate Analysis (3)</b> 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. <i>Some familiarity with R and SAS is expected. Prerequisite: STAT 4451, and STAT 3350.</i></p>
<hr/> <b>STATISTICS (STAT)</b> <hr/>		
STAT 2210	<p><b>Introductory Statistics (3)</b> 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. <i>Prerequisite: A grade of C or better in MTH 1112. Note: Credit will not count toward Area III requirements nor will it count toward any major or minor in mathematics.</i></p>	<p><b>STAT 4465 Categorical Data Analysis (3)</b> 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. <i>Prerequisite: STAT 4451.</i></p>
STAT 3350	<p><b>Statistical Methods and Computations (3)</b> This course is designed to provide students with a foundation in statistical methods, including data exploring and strategies in sample surveys, estimation and testing hypothesis 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 SAS, a statistical software package that is widely used in business, industry, government, and research. <i>Prerequisite: STAT 2210</i></p>	<p><b>STAT 4466 Data Mining (3)</b> 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. <i>Prerequisite STAT 4459.</i></p>
STAT 3355	<p><b>Survey Sampling (3)</b> Topics include sampling frames, questionnaire design, simple random, systematic, stratified, and cluster sampling, comparing domain means, contingency table analysis. <i>Prerequisite: STAT 2210</i></p>	<p><b>STAT 4467 Experimental Design (3)</b> 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. <i>Prerequisite: STAT 4451.</i></p>
STAT 4451	<p><b>Mathematical Statistics I (3)</b> Probability theory, sample spaces, random variables, mutual exclusion, independence, conditional probability, permutations and</p>	

<b>SOCIAL WORK COURSES (SWK)</b>	
<b>SWK 2250</b>	<b>Introduction to Social Work (3)</b> 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.
<b>SWK 2280</b>	<b>Social Work Research I (3)</b> 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. <i>Prerequisite: MTH 1110 or 1112 and IS 2241.</i>
<b>SWK 2281</b>	<b>Social Work Research II (3)</b> Introduction to evidenced based assessment and case management to include understanding and using the current DSM and other assessment materials. Introduction to writing assessments based on standardized criteria to include a treatment plan and preliminary measurement of goals. The use of research journal articles and technical and research reports generated by corporate and governmental agencies will be demonstrated. <i>Recommend taking HS 2250 prior to this course.</i>
<b>SWK 3301</b>	<b>Children and Family Services (3)</b> 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.
<b>SWK 3302</b>	<b>Social Service Resources (3)</b> Examination of social welfare services and institutions, public and private, to include historical development, philosophical basis, structure, and function.
<b>SWK 3303</b>	<b>Crisis Intervention (3)</b> Case management techniques for dealing with crisis. Crisis theory, stress management, and time-limited intervention will be examined.
<b>SWK 3304</b>	<b>Social Work Practice In Health Settings (3)</b> 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.
<b>SWK 3320</b>	<b>Human Behavior In the Social Environment II (3)</b> 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.
<b>SWK 3340</b>	<b>Social Policy and Planning (3)</b> 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.
<b>SWK 3375</b>	<b>Diversity (3)</b> 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.
<b>SWK 3390</b>	<b>Social Work with Individuals and Families (3)</b> 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. <i>Prerequisite: admission to the professional social work curriculum or permission of instructor.</i>
<b>SWK 4471</b>	<b>Social Work with Groups (3)</b> The student learns to identify group processes and use these in assessment and intervention with the group as a client system. Evaluation of practice is extended to group settings. <i>Prerequisite: SWK 3390. Co-requisite: SWK 4480.</i>
<b>SWK 4472</b>	<b>Social Work with Organizations and Communities (3)</b> Assessment and intervention with the community or organization as a client system. Skill building in evaluation of one's own practice continues. <i>Prerequisite: SWK 3390.</i>
<b>SWK 4480</b>	<b>Pre-Practicum Seminar (3)</b> 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. <i>Prerequisite: Completing SWK Major Requirements.</i>
<b>SWK 4481</b>	<b>Social Work Practicum (12)</b> 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. <i>Prerequisites: Social work major in good standing, SWK 4480. Practicum site must be approved by instructor during SWK 4480.</i>
<b>SWK 4482</b>	<b>Social Work Practicum II (6)</b> 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. <i>Prerequisite: Social Work Major in good standing. Practicum must be approved by instructor in 4480.</i>
<b>SWK 4483</b>	<b>Social Work Practicum III (6)</b> 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. <i>Prerequisite: Must complete Social Work Practicum II.</i>
<b>THEATRE COURSES (THE)</b>	
<b>THE 1115</b>	<b>Performance and Production Practicum I (1-3)</b> 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)**  
A component of the Department of Theatre and Dance First Year Initiative program (FYI), Creative Habit is a 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 and TROY 1101.*
- THE 1160 Audition and Portfolio Techniques (1-2)**  
A continuation of the Department of Theatre and Dance's First Year Initiative (FYI) and Creative Habit Learning Community, 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: THE 1150, and the permission of instructor.*
- 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.  
*Prerequisite: THE 1115.*  
*May be repeated for credit.*
- 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: THE 2215.*
- THE 2211 Theatre for Youth (1-3)**  
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 2221 Technical Theatre (2-3)**  
A study of standard technical practices and equipment for the theatre.
- 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 (1-3)**  
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 (2-3)**  
A study of basic principles, terminology, and disciplines of the actor, including relaxation, concentration, movement, and characterization.
- THE 3302 Costume Techniques (2-3)**  
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.
- THE 3303 Makeup Techniques (1-2)**  
A study of the theory and techniques of stage make-up. Includes makeup for theatre, film, and video.
- THE 3304 Lighting Techniques (2-3)**  
A study of stage lighting equipment and lighting practices.
- 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: 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: THE 3301 and COM 2251 or permission of instructor.*
- THE 3321 Scenic Design (3)**  
The principles and techniques of drafting and designing in a variety of theatrical spaces.  
*Prerequisite: THE 2221 and completion of the THE 2245 rotation or permission of the instructor.*
- 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: Completion of the THE 2245 rotation or permission of the instructor.*
- 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.  
*Prerequisites: THE 3301, THE 3316 and THE 3350.*
- THE 3344 Lighting Design (3)**  
A study of the principles of lighting design and equipment applications. Also covers drafting techniques for lighting.  
*Prerequisite: THE 3304 and completion of the THE 2245 rotation or permission of the instructor.*
- THE 3345 Advanced Stagecraft Lab (1-3)**  
A continuation of Stagecraft Lab designed for the upper level student.  
*Prerequisites: 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 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: Junior status.*
- THE 3365 Fundamentals of Design for Theatre (3)**  
An Introduction to theatrical design and conceptual thought through interpretation, visualization, and applied practices.
- 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: 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: 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: THE 4415.*
- THE 4441 Oral Interpretation (2)**  
Study and application of the principles and practices of oral interpretation (reading) of literature, including individual and ensemble performance.  
*Prerequisite: COM 2241 or permission of the instructor.*
- 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: 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: ENG 2206*
- THE 4451 Directing I (3)**  
Script analysis and directing principles with studies in the direction of scenes from contemporary plays.  
*Prerequisite: 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.  
*Prerequisites: THE 3301, 4451.*
- THE 4454 Creative Project (2)**  
Requirement for all graduating theatre majors in a comprehensive program of study. Course 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: Proof of Praxis registration and Creative Project Proposal.*

**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.  
*Prerequisites: THE 4451, junior status.*

**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: admission to TEP.  
Co-requisite: 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.  
*Prerequisites: THE 3313, 4456, EDU 3310, admission to TEP.*

**THE 4491-92 Guided Independent Research (1 to 3 credit hours per course)**  
Information is indexed under Independent Study and Research.

**THE 4493-94 Guided Independent Study (1 to 3 credit hours per course)**  
Information is indexed under Independent Study and Research.

**THE 4496-97 Internship (3 to 6 credit hours per course)**  
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.

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.

**TROY 1102 Major Exploration and Planning (1)**  
The primary purpose of this course is to assist students who are exploring their educational and career plans to identify interests, skills and values, and to develop goals. It also serves to assist non-traditional students considering a career change.

**TROY 1103 The Learning Mindset (1 or 3)**  
The purpose of this course is to educate and equip Troy University students with information, skills and experiences necessary for current and long-term success, both in college and in life. Students will be presented with practical application techniques for inclusion in other courses offered at Troy University, specifically within 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: TROY 1103 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.  
*Prerequisite and/or co-requisite: TROY 1101, Membership in First Year Studies Program Learning Community.*

**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.

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**AVIATION FLIGHT COURSES**

**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.  
*Pre-requisite: Approval of Chief Flight Officer*

**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.

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**TROY UNIVERSITY COURSES (TROY)**

**TROY 1101 University Orientation (1)**  
The primary purpose of this course is to assist entering students in acquiring the necessary

200 · COURSE DESCRIPTIONS

- 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 construction and actual UAS piloting. The student will learn basic flight and mission planning techniques.  
*Prerequisites: AFT 2202, AFT 2210*

## BOARD OF TRUSTEES, ADMINISTRATION AND FACULTY

### BOARD OF TRUSTEES

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Chancellor .....	Jack Hawkins, Jr., Ph.D.
Senior Vice Chancellor for Advancement and Economic Development .....	Walter Givhan, M.S.
Senior Vice Chancellor for Finance and Business Affairs.....	James M. Bookout, Ed.D., CPA, CITP, CGMA
Senior Vice Chancellor for Student Services and Administration and Chief of Staff.....	John W. Schmidt, Ed.D.
Senior Vice Chancellor for Academic Affairs Lance Tatum, Ph.D.	
Senior Vice Chancellor, Athletics .....	vacant
Executive Assistant to the Chancellor .....	Tom Davis, B.S.

### DIVISIONS OF THE UNIVERSITY

#### *I. Academic Affairs*

Vice Chancellor, Dothan Campus.....	Don Jeffrey, Ph.D.
Vice Chancellor, Montgomery Campus .....	Ray White, M.S.
Vice Chancellor, Phenix City Campus.....	Dave White, Ph.D.
Associate Provost/Dean, Graduate School.....	
.....	Mary Anne Templeton, Ph.D.
Associate Provost/Dean, Undergraduate Studies and First Year Studies.....	Hal W. Fulmer, Ph.D.
Associate Provost, Academic Support.....	Lee Vardaman, Ed.D.
Assistant to the Provost, University Registrar...	Vickie Miles, M.S.
Dean, College of Arts and Sciences.....	Steven Taylor, Ph.D.
Dean, Sorrell College of Business .....	Judson C. Edwards, Ph.D.
Dean, College of Communication and Fine Arts.....	
.....	Larry Blocher, Ph.D.

Dean, College of Education .....	Dionne Rosser-Mims, Ph.D.
Dean, College of Health and Human Services	Denise Green, Ph.D.
Dean, University Libraries.....	Chris Shaffer, Ed.D.
Associate Dean, First Year Studies.....	Jonathan Cellon, M.Ed.
Assistant Dean, First Year Studies.....	Tamara Jones, M.S.
Assistant Director, Graduate School.....	Jessica Kimbro, M.B.A.
Director, Institute for Leadership Development.....	
.....	John A. Kline, Ph.D.
Director, University Honors.....	vacant
Associate University Registrar.....	Chris Waid, M.S.
Associate University Registrar.....	Abby Peters, M.P.A.
Campus Registrar, Dothan.....	vacant
Interim Campus Registrar, Montgomery.....	Beth Potts, B.A.S.
Campus Registrar, Phenix City.....	Jerri R. Carroll, M.S.HRM.

#### *II. Finance Affairs and Online Education*

Director, Student Financial Services.....	Teresa Hussey, B.S.
Senior Associate Vice Chancellor & Controller.....	
.....	Tara Donaldson, M.B.A., CPA
Associate Controller.....	Lauri Dorrill, M.B.A., CPA
Associate Controller.....	Brenda Johns, M. B.A.
Associate Vice Chancellor, Financial Aid.....	Angela Johnson, J.D.
Associate Vice Chancellor, Human Resources.....	
.....	Ashley English, M.S., CPCU, CIC
Associate Vice Chancellor, TROY Online.....	vacant
Chief Officer, Technology and Security.....	Greg Price, Ph.D.
Director, Dining Services.....	Ibrahim Yildirim
Director, Physical Plant.....	Mark Salmon, M.B.A.
Director, Budget and Chief Business Officer.....	vacant
Director, Procurement and Asset Management.....	
.....	April Johnson, M.B.A.
Director, Financial Aid/Veteran Services.....	vacant

#### *III. Advancement and Economic Development*

Associate Vice Chancellor, Development.....	Becky Watson, M.A.
Associate Vice Chancellor, Marketing and Communications.....	
.....	Donna Schubert, M.A.
Director, Alumni Affairs .....	Faith West Ward, M.S.
Director, Annual Giving .....	Bronda Denison, M.B.A.
Director, Broadcast and Digital Media .....	Buddy Johnson, B.A.
Director, Graphics.....	vacant
Director, Government Relations .....	Marcus Paramore, M.S.
Director, Marketing.....	Samantha Johnson, B.A.
Director, Sponsored Programs .....	Judy Fulmer, M.S.Ed.
Director, University Relations.....	Matt Clower, B.S.
Director of Communications.....	Andy Ellis, B.S.
Coordinator, Special Events.....	Meredith Welch
Regional Director, Development .....	Kathy Ninas, M.Ed.
Central Director, Development.....	Tanner Hicks, B.S.

***IV. Student Services and Administration***

Associate Vice Chancellor of Operations...Mike Whitlock, D.B.A.  
 Associate Vice Chancellor, Enrollment Management.....  
 .....Sidney R. Starling, Jr., M.B.A.  
 Associate Vice Chancellor, International Operations.....  
 .....Sohail Agboatwala, M.B.A.  
 Dean, Student Services (Troy).....Herbert E. Reeves, M.S.  
 Associate Dean, Student Services (Dothan).....  
 .....Sandy Henry, M.S.HRM.  
 Associate Dean, Student Services (Montgomery).....  
 .....Jim Smith, M.S.  
 Associate Dean, International Student Services.....  
 .....Maria Frigge, M.S.

Executive Director, AGSC/STARS.....Keith Sessions, Ed.D.  
 Director, Student Involvement and Leadership.....  
 .....Barbara E. Patterson, M.S.Ed.  
 Director, Troy for Troops.....Danielle Pankey, M.S.  
 Chief, University Police.....John McCall, B.S.

*Complete faculty information is available from the Office of the Senior Vice Chancellor for Academic Affairs.*

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**UNDERGRADUATE FACULTY**


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- Abbey, Robert F., 2002.** *Associate Professor*, Global Campus. B.S., University of Oregon, 1969. M.S., Colorado State University, 1973. M.P.A., University of Southern California, 1982. D.P.A., University of Southern California, 1985.
- Aelterman, Sven, 2006.** *Lecturer*, Troy. B.S.B.A., Hogeschool Gent, Belgium, 2000. M.B.A., Troy State University, 2004.
- Aisami, Riad S., 2003.** *Professor*, Global Campus. B.A., Baghdad University, 1980. M.Ed., Tuskegee University, 1983. Ph.D., Wayne State University, 1988.
- Akbas, Halil, 2018.** *Assistant Professor*, Troy. B.S., National Policy Academy (Ankara, Turkey), 1996. M.A., University of Louisville, 2005. Ph.D., University of Cincinnati, 2009.
- 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.
- Allard, Catherine L., 1989.** *Professor*, Troy. B.M., SUNY College at Potsdam, 1972. M.S., SUNY College at Potsdam, 1974. D.M.A., Peabody Conservatory of John Hopkins, 1990.
- Allen, Annette M., 2006.** *Assistant Dean for Administration*, College of Arts & Sciences; *Associate Professor*, Troy. B.A., Indiana University, 1983. M.A., University of North Texas, 1986. Ph.D., University of Houston, 1994.
- Allen, Pamela S., 1990.** *Associate Professor*, Troy. B.A.E., University of Florida, 1977. B.F.A., Ringling School of Art and Design, 1987. M.F.A., University of Mississippi, 1989.
- Allman, Heather, 2016.** *Assistant Professor*, Troy. B.S.B.A., Glenville State College, 2006. M.B.A., Fairmont State University, 2011. Ph.D., Iowa State University, 2017.
- Ames, Orrin K., 2011.** *Director of Center for Entrepreneurship & Economic Innovation*; *Lecturer*, Dothan. B.S., University of Alabama, 1966. J.D., Samford University, 1969. L.L.M., Harvard Law School, 1976.
- Amonson, Christina, 2012.** *Associate Professor*, Troy. B.M.E., University of Idaho, 1996. M.M., Manhattan School of Music, 1998. D.M.A., The University of Arizona, 2012.
- Amponsah, David K., 2000.** *Associate Professor*, Troy. B.S., Andrews University, 1972. M.B.A., Andrews University, 1973. Ph.D., Michigan State University, 1987.
- Anderson, Terry, 1998.** *Associate Professor*, Global Campus. B.A., Stetson University, 1969. B.A., University of Central Florida, 1973. M.S., Saint Thomas University, 1989. Ph.D., Florida Atlantic University, 1997.
- 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.
- Armstrong, Brittny, 2015.** *Assistant 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., University of Alabama, 2008.
- Arteta, Alberto, 2015.** *Assistant 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.
- Atwater, Christopher, 2019.** *Assistant Professor*, Troy. B.A., Skidmore University, 1996. M.S., Virginia Commonwealth University, 2006. Ph.D., Virginia Commonwealth University, 2010.
- Averett, Victoria, 2013.** *Assistant 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.
- Babel, Korinne, 2015.** *Assistant Professor*, Phenix City. B.S., University of South Florida, 2003. M.A., Argosy University, 2009. Ph.D., Auburn University, 2014.
- Baek, Chung, 2006.** *Associate Professor*, Dothan. B.S., Yonsei University, 1997. M.S., University of Nebraska-Lincoln, 2001. Ph.D., University of Nebraska-Lincoln, 2006.
- Baggett, Courtney, 2017.** *Assistant 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.
- Bailey, S. Scott, 2004.** *Associate Professor*, Troy. B.S., United States Military Academy, 1970. M.P.A., University of Colorado at Boulder, 1977. M.S., University of Colorado at Boulder, 1981. Ph.D., Colorado School of Mines, 1989.
- Bailey, Wendy C., 2005.** *Associate Professor*, Troy. B.S., Pennsylvania State University, 1982. Ph.D., Colorado School of Mines, 1989.
- Bandow, Diane F., 2002.** *Professor*, Global Campus. B.S., Iowa State University, 1973. M.S., National Louis University, 1992. M.A., The Fielding Institute, 1996. Ph.D., The Fielding Institute, 1998.
- Bazzell, Judy L., 1989.** *Assistant Professor*, Troy. A.A., Gulf Coast Community College, 1977. A.S.N., Gulf Coast Community College, 1977. B.S.N., Troy State University, 1982. M.S.N., Troy State University, 1989. D.N.P., Troy University, 2014.
- Beattie, Heidi, 2014.** *Assistant 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.
- Belcher, William C., 2010.** *Lecturer*, Troy. B.S., Auburn University, 1983. M.B.A., University of West Florida, 1991.
- 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.
- Benton, Brian, 2012.** *Lecturer*, Global Campus. B.A., Auburn University, 1995. B.M.E., Auburn University, 1997. J.D., Samford University, 1999.
- Berry, Stephan, 2014.** *Assistant Professor*, Troy. B.S., Texas Tech University, 1985. M.Ed., Texas Tech University, 1991. Ph.D., Texas Tech University, 2013.
- Berwager, Kelly, 2013.** *Lecturer*, Troy. B.A., Birmingham-Southern College, 1986. M.A.E., University of Alabama at Birmingham, 1995. Ph.D., The University of Alabama, 2013.
- Blackstock, Timothy A., 2008.** *Associate Professor*, Troy. B.A., Newberry College, 2002. M.A., Tennessee Technological University, 2005. D.M.A., University of Kansas, 2008.
- Blackwell, Amelia, 2018.** *Lecturer*, Montgomery. B.S.N., Auburn University Montgomery, 1995. M.S.N., Auburn University, 2010.
- Blackwell, Rodney Dean, 2005.** *Assistant Professor*, Global Campus. B.B.A., University of Houston-Clear Lake, 1979. M.S., University of Houston-Clear Lake, 1987. Ph.D., University of North Texas, 1997.
- Blankenship, Stan, 2018.** *Lecturer*, Troy. B.S., Troy State University, 1980. M.B.A., Troy State University, 1981.
- Blocher, Larry, 2005.** *Dean, College of Communication & Fine Arts*; *Professor*, Troy. B.M.E., Morehead State University, 1975. M.M., Morehead State University, 1977. Ph.D., Florida State University, 1986.
- 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.
- Bodley, Brittany, 2017.** *Assistant Professor*, Troy. B.S., Troy University, 2008. M.F.A., University of Iowa, 2012.
- Bohler, Jeffrey A., 2010.** *Assistant Professor*, Montgomery. B.S., Georgia Institute of Technology, 1985. M.S., Air University, 2000. Ph.D., Auburn University, 2009.
- 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, Carol, 2014.** *Lecturer*, Troy. B.S., Troy State

University, 1976. M.Ed., University of Montevallo, 1981.

**Borowski, Martha A., 2004.** *Lecturer*, Global Campus. B.A., Seton Hall University, 1991. M.B.A., Long Island University, 2000.

**Boyd, Christopher, 2014.** *Lecturer*, Montgomery. 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.

**Boyd, Kristina, 2016.** *Lecturer*, Troy. B.S., Logan University, 2004. D.C., Logan College of Chiropractic, 2006.

**Boyd, Lynn, 2007.** *Associate Professor*, Montgomery. B.A., Auburn University at Montgomery, 1994. M.E., Auburn University at Montgomery, 1997. Ph.D., University of Alabama, 2007.

**Boyte-Eckis, Lane, 2005.** *Associate Professor*, Dothan. B.S., University of Tennessee at Martin, 1996. M.B.A., University of Tennessee at Martin, 1997. M.S., Auburn University, 2001. Ph.D., Auburn University, 2003.

**Bradley, Christopher, 2015.** *Associate Professor*, Troy. B.S., Northern Arizona University, 1997. M.A., Bowling Green State University, 2000. Ph.D., Bowling Green State University, 2004.

**Brennan, Michael, 2015.** *Assistant Professor*, Troy. B.M., Illinois State University, 1990. M.P.A., University of Louisville, 2004. Ph.D., University of Louisville, 2012.

**Brooks, Jeneve R., 2010.** *Associate Professor*, Dothan. B.S., Cornell University, 1988. M.S., Hunter College, 2002. Ph.D., Fordham University, 2009.

**Brown, Charla, 2019.** *Assistant Professor*, Troy. B.S., Troy State University, 1990. M.P.A., The University of Alabama, 1992.

**Brown, James, 2013.** *Assistant Professor*, Troy. B.M., The University of Akron, 1998. M.M., The University of Akron, 2008.

**Browning, Frank, 2002.** *Associate Professor*, Global Campus. B.A., Wake Forest University, 1972. M.Ed., Boston University, 1977. M.H.A., Georgia State University, 1981. Ph.D., University of North Carolina at Greensboro, 1996.

**Bryant, Natalie, 2013.** *Assistant Professor*, Troy. B.S., Troy University, 2007. J.D., Florida State University College of Law, 2011.

**Buckner, Timothy R., 2005.** *Associate Professor*, Troy. B.A., Georgia State University, 1996. M.A., Florida State University, 1998. Ph.D., University of Texas at Austin, 2005.

**Burge, William, 2016.** *Lecturer*, Troy. B.B.A., University of Texas at Austin, 1998. M.B.A., University of Mississippi, 2005. M.S., Texas Tech University, 2010. Ph.D., The University of Southern Mississippi, 2017.

**Burn, Scott, 2019.** *Assistant Professor*, Troy. B.S., Louisiana State University, 2011. M.A., George Mason University, 2015. Ph.D., George Mason University, 2017.

**Burns, Djuana, 2006.** *Associate Professor*, Troy. B.S.N., Auburn University at Montgomery, 1986. M.S.N., Troy State University, 1993. D.N.P., The University of Alabama at Birmingham, 2011.

**Busby, Ruth S., 2009.** *Associate Professor*, Troy. B.S., Auburn University at Montgomery, 1988. M.Ed., University of West Alabama, 1990. Ed.D., University of West Alabama, 2008.

**Bush, Ellis, 2012.** *Senior Lecturer*, Troy. B.S., Messiah College, 1983. M.B.A., The Pennsylvania State University, 1990.

**Bush, Gayle L., 2002.** *Associate Professor*, Troy. B.S., Baylor University, 1985. M.S.E., Baylor University, 1986. D.A., Middle Tennessee University, 2002.

**Butler, Joy, 2017.** *Lecturer*, Dothan. B.S.N., Troy State University, 1999. M.S.N., Troy University, 2007.

**Bynum, Robin Strain, 2003.** *Executive Director of Educational Outreach, Professor*, Troy. B.S., Tuskegee Institute, 1978. M.Ed., Tuskegee University, 1982. Ed.D., Argosy University, 1999.

**Byrd, William J., 2010.** *Associate Professor*, Montgomery. B.S., Francis Marion University, 2006. M.S., Auburn University, 2008. Ph.D., Auburn University, 2010.

**Caldarola, Richard A., 2003.** *Associate Professor*, Global Campus. B.A., La Salle University, 1972. M.B.A., Friends University, 1992. D.B.A., Nova Southeastern University, 1998.

**Campbell, Joel R., 2010.** *Associate Professor*, Global Campus. B.A., The University of Texas at El Paso, 1977. M.P.A., The University of Texas at Austin, 1979. Ph.D., Miami University, 1994.

**Camwell, Dave, 2017.** *Associate Professor*, Troy. B.M., University of Calgary, 1999. M.M., University of Northern Colorado, 2002. D.M.A., University of Oregon, 2006.

**Capozzoli, Ernest, 2014.** *Associate Professor*, Dothan. B.S., Troy State University, 1975. M.B.A., Lamar University, 1980. Ph.D., The University of Mississippi, 1991.

**Carlock, Paul, 2018.** *Professor of Military Science*, Troy. B.A., The University of North Georgia, 1998. M.A., Hawaii Pacific University, 2009.

**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.

**Carmody, Stephen, 2017.** *Assistant Professor*, Troy. B.S., College of Charleston, 2006. M.A., University of Tennessee, Knoxville, 2009. Ph.D., University of Tennessee, Knoxville, 2014.

**Carns, Michael, 2010.** *Lecturer*, Global Campus. B.S., Kansas State University, 1970. M.A., Southwest Texas State University, 1972. Ph.D., University of North Texas State University, 1979.

**Carpenter, Angela, 2017.** *Lecturer*, Troy. B.S., Troy State University, 1980. M.S., Troy State University, 1984.

**Carroll, Michael, 2011.** *Associate Professor*, Global Campus. B.A., The University of North Carolina at Chapel Hill, 2001. M.E.S.S., University of Florida, 2004. Ph.D., University of Florida, 2009.

**Carter, Abigail, 2014.** *Lecturer*, Troy. B.S., Troy State University, 1996. M.S., Troy University, 2011.

**Carter, Holly, 2014.** *Assistant Professor*, Troy. B.S., Auburn University, 1993. B.S.N., Troy State University, 2004. M.S.N., Troy University, 2009.

**Casey, Olga, 2009.** *Assistant Professor*, Dothan. B.S., Odessa A.S. Popov Institute of Telecommunications, 1987. M.L.S., Louisiana State University, 2002.

**Cates, Keith, 2014.** *Associate Professor*, Troy. B.A., University of West Georgia, 1991. B.F.A., University of West Georgia, 1991. M.A., University of West Georgia, 1997. Ed.S., University of West Georgia, 2005. Ph.D., Auburn University, 2009.

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- Barr, Jean Williams, 1959.** *Professor Emeritus of Music*, Troy. B.M.E., Oberlin Conservatory of Music, 1947. M.Ed., Auburn University, 1966.
- Batchelor, Urton Hillman, 1965.** *Associate Professor Emeritus of Accounting*, Dothan. B.S., Troy State University, 1962. M.B.A., Auburn University, 1965. C.P.A., University of Alabama.
- Bonner, Frances W., 1979.** *Professor Emeritus of Human Resources Management*, Troy. B.S., Maryland, 1965. M.Ed., Auburn University, 1969. Ed.D., Auburn University, 1972. M.S.P.M., Troy State University, 1986.
- Boothe, Anne, 1988.** *Assistant Professor Emeritus of Nursing*, Troy. B.S.N., Troy State University, 1984. M.S.N., Troy State University, 1989.
- Brown, Mary A., 1971.** *Professor Emeritus of Science and Mathematics*, Dothan. B.S., University of Alabama, 1960. M.A., Rice, 1962. Ph.D., University of Alabama, 1968.
- Cohen, Glenn M., 1997.** *Professor Emeritus*, Troy. B.A., Rutgers University, 1965. Ph.D., Florida State University, 1970.
- Coleman, Claudette T., 1994.** *Assistant Professor Emeritus of Nursing*, Troy. B.S.N., University of Alabama, Birmingham, 1971. M.S.N., University of Alabama, 1974. Ed.D., Auburn University, 1992.
- Cooper, Judith R., 1980.** *Assistant Professor Emeritus of Nursing*, Troy. B.S.N., University of Alabama, Birmingham, 1976. M.S.N., University of Alabama, Birmingham, 1982.
- Cooper, Stephen, 1986.** *Professor Emeritus of English*, Troy. B.A., University of Delaware, 1977. M.A., University of North Carolina, 1979. Ph.D., University of North Carolina, 1985.
- Corradino, George R., 1988.** *Associate Professor Emeritus of Education*, Troy. B.A.Ed., Florida State University, 1953. M.Ed., Auburn University, 1956. Ed.D., Auburn University, 1975.
- Cox, Andrew, 1979.** *Professor Emeritus of Counseling and Psychology*, Phenix City. B.A., LaGrange College, 1970. M.Ed., West Georgia College, 1972. M.S.W., The University of Alabama, 1994. Ed.D., Mississippi State University, 1979.
- Curtis, Wayne C., 1967.** *Professor Emeritus of Banking and Finance*, Troy. B.S., Auburn University, 1961. M.S., Auburn University, 1963. Ph.D., Mississippi State University, 1971.
- Davidson, Barry S., 2002.** *Professor Emeritus*, Troy. B.S., 1971, Pittsburg State University, M.S., 1973, Pittsburg State University, Ed.S., 1974, Vanderbilt University, Ed.D., 1977, University of Arkansas.
- Day, James F. 1987.** *Professor Emeritus of English*, Troy. A.A., St. Jons River Community College, 1970. B.A., Stetson University, 1972. B.A., Oxford University, 1977. M.A., University of Florida, 1974. M.A., Oxford University, 1982. Ph.D., Duke University, 1985.
- Deal, Alice, 1981.** *Associate Professor Emeritus of Nursing*, Troy. B.S.N., Old Dominion, 1969. M.S.N., University of Alabama, Birmingham, 1974.
- Dell, Mary Ann, 1988.** *Associate Professor Emeritus*, Dothan. B.S., Auburn University, 1960. M.N., Emory University, 1964. Ed.D., Auburn University, 1987.
- Denison, William Rae, 1967.** *Professor Emeritus of Music*, Troy. B.Mus., University of Michigan, 1958. M.Mus., University of Michigan, 1959. Ph.D., Florida State University, 1969.
- Dillard, Julia A., 1966.** *Associate Professor Emeritus of Library Science*, Troy. B.A., Troy State University, 1965. M.L.S., University of Alabama, 1978.
- Douglass, Merrian E., 1983.** *Associate Professor Emeritus and RN/BSN Coordinator/Phenix City*, Troy. B.S.N., Tuskegee Institute, 1961. M.N., Emory University, 1967. D.S.N., University of Alabama, Birmingham, 1991.
- Dwyer, James E. Jr., 1973.** *Professor Emeritus of Psychology*, Troy. B.S., Auburn University, 1961. M.A., George Peabody, 1971. Ph.D., George Peabody, 1975.
- Dye, Ottis David, 1970.** *Professor Emeritus*, Troy. B.S. Mississippi State University, 1965. M.F.A., Florida State University, 1967. Ph.D., Florida State University, 1970.
- Easley, Ann H., 1975.** *Professor Emeritus Counseling and Psychology*, Dothan. B.S., Toledo, 1949. A.M., Michigan, 1954. Ed.D., Auburn University, 1976.
- Echols, Stanley L., 1977.** *Associate Professor Emeritus of Psychology*, Troy. B.A., Howard Payne, 1963. B.Div., Southwestern Baptist Theological Seminary, 1966. M.Div., Southwestern Baptist Theological Seminary, 1972. Ph.D., Mississippi State University, 1974.
- Evans, William A., 1992.** *Professor Emeritus of Business*, Dothan. B.S., West Virginia, 1960. M.B.A., West Virginia, 1964. D.B.A., Georgia State, 1969.
- Fell, Elizabeth, 2005.** *Professor Emeritus*, Dothan. B.S., Livingston University, 1964. M.Ed., Livingston University, 1968. Ed.D., The University of Alabama, 1985.
- Franks, Carol Jean, 1982.** *Associate Professor Emeritus*, Troy. B.M., University Illinois at Urbana-Champaign, 1980. M.M., Duquesne University, 1982.
- Fritchie, Patricia P., 1982.** *Professor Emeritus of Education*, Dothan. B.A., SE Louisiana, 1974. M.Ed., New Orleans, 1978. Ph.D., Southern Mississippi, 1981.
- Garrott, Priscilla, 1976.** *Assistant Professor Emeritus of Information Systems*, Troy. B.S., Troy State University, 1974. M.S., Troy State University, 1976.
- Garrott, Stephen C., 1971.** *Professor Emeritus of Marketing*, Troy. B.S., Murray State, 1965. M.B.A., Murray State, 1968. Ph.D., University of Arkansas, 1979.
- Gibson, Dennis, 1996.** *Professor Emeritus of Human Resources Management*, Montgomery.
- Grubb, Todd C., 1993.** *Professor Emeritus*, Global Campus. B.A., University of California, Santa Barbara, 1957. M.P.A., Syracuse University, 1971. Ph.D., University of Louisville, 1988.
- Gusick, Barbar I., 1996.** *Professor Emeritus*, Dothan. B.A., Lewis University, 1980. M.A., DePaul University, 1988. Ph.D., Loyola University, 1996.
- Harney, James M., 1989.** *Assistant Professor Emeritus of Education*, Troy. B.S., University of Minnesota-Dubuth, 1959. M.S., Northern Illinois University, 1970. Ph.D., Northern Illinois University, 1974.
- Hefron, Peter Oslin, 1977.** *Professor Emeritus*, Global Campus. A.B., Middlebury College, 1967. A.M., Tufts University, 1968. M.A.L.D., Tufts University, 1972. Ph.D., Tufts University, 1976.
- Holland, Dorothy B., 1972.** *Assistant Professor Emeritus of Nursing*, Troy. B.S., Minnesota, 1954. M.P.H., Tulane, 1968.
- Ingram, Earl, 1987.** *Provost Emeritus*, Troy. B.S., Auburn University, 1973. M.S., Auburn University, 1974. Ph.D., Auburn University, 1976.
- Jenkins, Joyce W., 1986.** *Assistant Professor Emeritus of Nursing*, Troy. B.S.N., Florida State University, 1964. M.Ed., Florida State University, 1975. M.S.N., University of Alabama, Birmingham, 1982.
- Johnson, Jerone P., 1974.** *Professor Emeritus, Department of Counseling and Psychology*, Global Campus. B.S., University of Southern Mississippi, 1964. M.S., University of Southern Mississippi, 1968. Ph.D., University of Southern Mississippi, 1973.
- Johnson, Kline, 1994.** *Vice President Emeritus for Student Affairs*, Montgomery.
- Johnson, Martha Lewis, 1994.** *Vice President Emeritus for Academic Affairs*, Montgomery.
- Jones, Sandra Lee, 1984.** *Professor Emeritus of Education*, Dothan. B.A., Columbus College, 1972. M.Ed., Columbus College, 1977. Ed.D., Auburn University, 1991.
- Kantor, Edward Michael, 1964.** *Professor Emeritus of Physical Science*, Troy. A.S., Grays Harbor, 1957. B.A., Central Washington State, 1959. M.S., University of Mississippi, 1964.
- Keller, Harry B., 1983.** *Professor Emeritus of Management*, Troy. B.S.E.E., U.S. Naval Academy, 1942. M.E.A., George Washington University, 1959. Nav.E., MIT, 1949. D.B.A., George Washington University, 1968.
- Kelley, Philip, 1971.** *Professor Emeritus of Music*, Troy. B.S., Appalachian State University, 1965. M.M., Florida State, 1969. D.M., Florida State University, 1985.
- Kimbrough, James D., 1972.** *Professor Emeritus*, Troy. B.S., Jacksonville State University, 1959. M.S., Jacksonville State University, 1964. Ed.D., University of Alabama, 1972.
- Lee, John W., 1964.** *Associate Professor Emeritus of Mathematics*, Troy. B.S., Troy State University, 1961. M.A., Sam Houston State University, 1964.
- Lewis, Johnston C., 1975.** *Associate Professor Emeritus of Accounting*, Dothan. B.S., Troy State University, 1956. M.S., University of Alabama, 1961. C.P.A., University of Alabama.

- Lovik, Lawrence, 1985.** *Professor Emeritus of Business*, Troy. A.B., Mercer University, 1967. M.A., University of Georgia, 1970. Ph.D., Georgia State University, 1981.
- Long, John M., 1965.** *Distinguished Professor Emeritus of Music*, Troy. B.S., Jacksonville State University, 1949. M.A., University of Alabama, 1956. LL.D., Jacksonville State University, 1971.
- Lorance, Anne G., 1993.** *Associate Professor Emeritus of Education*, Dothan. B.A., Southern Methodist, 1963. M.S.E., Central Arkansas, 1970. Ed.D., University of Memphis, 1991.
- Lovrich, Frank M., 1976.** *Professor Emeritus of Sociology*, Dothan. B.A., Southeastern Louisiana, 1951. M.A., South Dakota, 1952. Ph.D., South Dakota, 1962.
- Majors, Elizabeth S., 1978.** *Associate Professor Emeritus of Education*, Dothan. B.S., Troy State University, 1954. M.S., Troy State University, 1966. Ed.D., University of Alabama, 1978.
- Marsicano, Hazel E., 1983.** *Professor Emeritus of Education*, Troy. B.S., SUNY Col. At Buffalo, 1966. M.S., SUNY Col. At Buffalo, 1970. Ed.D., SUNY at Buffalo, 1977.
- Martin, Dale A., 1995.** *Professor Emeritus of Counseling and Human Development*, Montgomery.
- Mathew, Sarama T., 1988.** *Professor Emeritus of Psychology*, B.S., 1958, Kerala; B.T., 1959, Jabalpur; M.A., 1968, Howard; Ph.D., 1981 University of Florida.
- Merkel, Edward T., 1978.** *Professor Emeritus of Business*, Troy. B.A., 1968, Illinois Benedictine; M.A., 1970, Northern Illinois University; Ph.D., 1974, Northern Illinois University.
- Minsky, Barbara, 1999.** *Professor Emeritus of Management*, Dothan. B.A., Brooklyn College of CUNY, 1968. M.S., Brooklyn College of CUNY, 1971. M.B.A., The University of Tennessee at Chattanooga, 1994. Ph.D., Louisiana State University and A&M College, 2002.
- Mitchell, Frank Joseph, 1970.** *Professor Emeritus of Philosophy and Religion*, Troy. B.S.Ed., Auburn University, 1950. M.Div., Duke, 1953. Ph.D., Duke, 1962.
- Mitchell, Norma Taylor, 1970.** *Professor Emeritus of History*, Troy. B.A., William and Mary, 1958. M.A., Duke, 1962. Ph.D., Duke, 1967.
- Muller, John Hendrix, 1962.** *Professor Emeritus of Chemistry*, Troy. B.A., Oklahoma City, 1960. M.S., Oklahoma State, 1963. Ph.D., Louisiana State, 1971.
- Norman, Billy Ray, 1966.** *Professor Emeritus of Science*, Troy. B.S., Troy State University, 1957. M.Ed., university of Georgia, 1962. Ed.D., University of Georgia, 1965.
- Oberst, Gayle F., 1974.** *Assistant Professor Emeritus of Business*, Dothan. B.S., Troy State University, 1971. M.B.A., Troy State University, 1974.
- Omasta, Eugene, 1968.** *Professor Emeritus of Physics*, Troy. B.S., Auburn University, 1962. M.S., Auburn University, 1965. Ph.D., Iowa, 1984.
- O'Neal, James Frank, 1959.** *Professor Emeritus of Mathematics*, Troy. B.A., Vanderbilt, 1949. M.R.E., Southwestern Baptist Theological Seminary, 1951. M.A., Columbia, 1952.
- Padgett, Steven B., 1991.** *Professor Emeritus of Journalism*, Troy. A.A., Sata Fe Community College, 1977. B.A., University of Central Florida, 1981. M.A., The University of Alabama, 1984. Ph.D., Florida State University, 1987.
- Parsa, Amir Parviz, 1982.** *Professor Emeritus of Business*, Dothan. B.A., Tehran, 1963. M.A., Texas Christian, 1965. Ph.D., Oklahoma, 1968.
- Patrick, Sarah, 1979.** *Professor Emeritus*, Dothan. B.A., Georgia State University, 1967. B.S., Troy State University, 1997. M.A., Georgia State University, 1970. Ed.S., Georgia State University, 1973. Ph.D., Georgia State University, 1978.
- Peterson, Hans.** *Professor Emeritus*, Global Campus. B.A., University of Louisville, 1959. M.A., University of Denver, 1961. Ph.D., University of Denver, 1966.
- Porter, Curtis H., 1971.** *Professor Emeritus*, Troy. B.A., Vanderbilt University, 1963. M.A., Washington University, 1966. Ph.D., Vanderbilt University, 1973.
- Porter, Diane D., 1982.** *Associate Professor Emeritus*, Troy. B.S.E., Troy State University, 1981. M.S.E., Troy State University, 1984. Ed.S., Troy State University, 1990.
- Post, Grady Jackson, 1965.** *Professor Emeritus of History*, Troy. B.S., Troy State University, 1959. M.A., Emory, 1964.
- Poteat, George, 1992.** *Professor Emeritus*, Global Campus. B.A., California State University, 1967. M.A., California State University, 1969. Ph.D., Washington University, 1973.
- Riley, Brenda J., 1980.** *Professor Emeritus of Nursing*, Troy. B.S.N., Southern College, 1963. M.S., Ohio State University, 1966. D.S.N., University of Alabama, Birmingham, 1993.
- Roberts, Leonard H., 1982.** *Professor of Education*, Dothan. B.S., New York University, 1955. M.Ed., Central Florida, 1975. Ed.S., Florida, 1977. Ph.D., Florida, 1981.
- Russell, Betty, 1977.** *Assistant Professor Emeritus of Nursing*, Troy. Diploma, University Hospital Birmingham, 1960. B.S.N., Troy State University, 1977. M.S.N., University of Alabama-Birmingham, 1980.
- Sanders, Jimmy D., 1991.** *Professor Emeritus*, 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 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., University of Alabama-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, 1958. M.A.T., Vanderbilt, 1968. M.A., Vanderbilt, 1968. Ph.D., Vanderbilt, 1974.
- Smith, James W., 1988.** *Associate Professor, Emeritus* 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* 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, 1970. Ph.D., Kansas State, 1974.
- Souter, Thomas A., 1985.** *Professor Emeritus of Library Science*, Troy. B.S., Florida State University, 1951. M.L.S., Florida State University, 1957.
- Stewart, G.T., 1965.** *Professor Emeritus of Economics*, Troy. B.S., Samford, 1960. M.B.A., University of Alabama, 1961. Ph.D., University of Alabama, 1966.
- Stewart, Lester D., 1965.** *Professor of Education*, Dothan. B.S., Troy State University, 1958. M.Ed., Auburn University, 1958. Ed.D., University of Alabama, 1969.
- Stewart, Paul M., 2000.** *Professor Emeritus, Eminent Scholar*, Troy. B.S., Ohio University, 1975. M.S., University 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., University of Alabama, 1971. M.S., University of Alabama, 1972. M.S., Troy State University, 1997. Ph.D., University of Alabama, 2001.
- Swords, I.R., 1976.** *Associate Professor Emeritus of Psychology*, Dothan. B.S., Jacksonville State University, 1950. M.A., University of Alabama, 1955. M.A., University of Alabama, 1962. Ph.D., University of Alabama, 1966.
- 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*, Troy. B.A., University of Pittsburgh, 1960. M.Ed., University of Pittsburgh, 1965. Ph.D., University of Pittsburgh, 1979.
- Tucker, John P., 1988.** *Associate Professor Emeritus*, Phenix City. B.S., Troy State University, 1961. M.Ed., Auburn University, 1963. Ed.D., Auburn University, 1972.
- 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.
- Viohl, Fredrick A., 1979.** *Professor Emeritus in Business*, Troy. B.S., New York University, 1966. M.B.A., New York University, 1968. Ed.D., University of Georgia, 1979.
- Vollrath, Carl Paul, 1965.** *Associate Professor Emeritus of Music*, Troy. B.M., John B. Stetson, 1953. M.A., Columbia, 1956. Ed.D., Florida State University, 1964.
- Wadovick, James, 1975.** *Associate Professor Emeritus of Music*, Troy. B.S., Case Western Reserve, 1957. M.A., Case Western Reserve, 1967.

- Walker, Frank, 1983.** *Assistant Professor Emeritus*, Dothan. B.S., University of Alabama, 1967. M.L.S., University of Alabama, 1976.
- Walters, William, 1962.** *Associate Professor Emeritus of Business*, Troy. B.S., Troy State University, 1955. M.Ed., Auburn University, 1959.
- Walton, LeRoy, 1974.** *Professor Emeritus of Computer and Information Systems*, Troy. B.A., Mississippi State University, 1965. M.S., Mississippi State University, 1971.
- Ward, Edward Hilson, 1965.** *Professor Emeritus of Chemistry*, Troy. B.S., Troy State University, 1958. Ph.D., Mississippi, 1963.
- Wilkinson, Robert E., 1982.** *Professor Emeritus of Business*, Dothan. A.B., Syracuse, 1951. M.S., Florida State, 1967. D.B.A., Florida State University, 1974.
- Welch, William M., 1979.** *Professor Emeritus*, Troy. A.B., 1973, University of Alabama; M.A., 1975, University of Alabama; diploma, 1974, Institute of Mediterranean Studies; Ph.D., 1978, Oxford.

# APPENDICES

## TROY UNIVERSITY POLICY ON HARASSMENT AND DISCRIMINATION

Harassment or discrimination by anyone, whether in the classroom, the office, at a University sponsored function, or within any university environment, will not be tolerated. Individuals found to participate in harassment or discrimination will be subject to disciplinary procedures up to and including termination.

### Individuals Covered Under the Policy

Troy University's comprehensive harassment and discrimination policy covers all employees, students, applicants, vendors/contractors, visitors, and all others conducting official business with the University.

### I. Definition of Harassment

All programs, policies, procedures and activities conducted by and through Troy University, its employees, students, contractors and subcontractors shall be conducted without regard to age, sex, mental or physical disability (except where age, mental or physical disability, or sex involves a bonafide occupational qualification), national origin, race, color, creed, sexual orientation, ancestry, genetic information/testing, marital status, pregnancy, disability or veteran's status, political or religious affiliations, beliefs or opinions.

This is inclusive of comments or conduct by a person in a position of authority that is intimidating, threatening or abusive. Harassment can also occur between people of similar authority. Harassment occurs when it is known or ought reasonably to be known that such comments or conduct would be unwelcome.

Examples of harassment include gestures, remarks, jokes, taunting, innuendo, display of offensive materials, threats, imposition of academic penalties, hazing, stalking, shunning or exclusion related to the discriminatory or harassment grounds. The victim should directly inform the harasser that the conduct is unwelcome and must stop. The victim should report any complaint as dictated by policy.

NOTE: In any case of harassment, the harasser can be the victim's supervisor, an agent of the employer, a supervisor in another area, a co-worker, or a non-employee to include students.

### Sexual Harassment

Sexual harassment is defined by this policy includes 1) unwelcome sexual advances, 2) requests for sexual favors, and 3) any other verbal, graphic, or physical conduct of sexual nature constitutes sexual harassment when submission to, or rejection of this conduct explicitly or implicitly, affects an individual's employment or educational experience, unreasonably interfere with an individual's work performance or academic performance, or creates an intimidating, hostile, or offensive work or educational environment.

Sexual harassment can occur in a variety of circumstances, including but not limited to the following:

1. Demanding sexual favors in exchange for favorable evaluations, assignments, promotions, continued employment, grades, letters of recommendation or similar promises.
2. Subtle pressure for sexual activity.
3. Continued or repeated sexual jokes, kidding, teasing, epithets, flirtation, advances, or propositions.
4. Derogatory or demeaning comments about gender, whether sexual or not.
5. Harassment consistently targeted at only one sex, even if the content of the verbal abuse is not sexual.
6. Verbal abuse of a sexual nature.
7. Graphic verbal commentary about an individual's body, clothing, sexual process, or sexual deficiencies.
8. Sexually degrading or vulgar words to describe an individual.
9. Leering, whistling, touching, pinching, brushing the body, assault, coerced sexual acts, or suggestive, insulting, or obscene comments or gestures.
10. The display in the workplace or an academic environment of sexually suggestive objects, pictures, posters or cartoons.
11. Introduction or utilization of inappropriate sexual material in an academic setting.
12. Name calling, relating stories, gossip, comments, or jokes that may be derogatory toward a particular sex.
13. The display of sexually suggestive graffiti.
14. Asking questions about sexual conduct or sexual orientation or performances.
15. Offensive, repeated requests for dates, even if made after work.
16. Continued advances of a sexual nature which are rejected, even after the parties break off a consensual relationship.

### II. Definition of Discrimination

All programs, policies, procedures and activities conducted by and through Troy University, its employees, students, contractors and subcontractors shall be conducted without regard to age, sex, mental or physical disability (except where age, mental or physical disability, or sex involves a bonafide occupational qualification), national origin, race, color, creed, sexual orientation, ancestry, genetic information/testing, marital status, pregnancy, disability or veteran's status, political or religious affiliations, beliefs or opinions.

### III. Procedures

#### A. Reporting a Complaint

Troy University encourages anyone that believes he or she is being harassed or discriminated against should report the incident within 180 days. An incident should be reported in one of the following ways:

- Directly inform the harasser that the conduct/comments are unwelcome and must stop. If the conduct and/or comments do not cease immediately, the accuser should report the complaint to the accused's superior or the Department of Human Resources.
- If the accuser does not desire to confront the alleged harasser directly, he/she should report the incident to the alleged harasser's superior (the individual to whom the alleged harasser reports) who will report the complaint to the Department of Human Resources.
- If the complainant is not comfortable reporting the incident to the accused's superior, he/she can report the complaint directly to the Department of Human Resources.

Once the complaint is received by the Department of Human Resources, the complainant can choose to proceed informally; where the superior of the alleged harasser, in conjunction with Human Resources, will assist in resolving the matter. If the matter is not resolved informally to the satisfaction of the reporting party, the complainant may request to begin a formal investigation process. The complainant may request to begin the process with a formal investigation rather than an informal procedure if warranted. To begin a formal investigation, the complaint must be submitted to Human Resources in writing and signed by the complainant.

**NOTE:** Anyone witnessing an act of harassment and/or discrimination may report the incident directly to the Human Resources Department.

**B. Investigation**

Human Resources will coordinate the investigation of the complaint and file a report with a subcommittee of the Personal Advisory Committee. The subcommittee and the appropriate Senior Vice Chancellor will determine whether there is a reasonable basis for believing the alleged violations of the harassment and discrimination policy has occurred. The investigation may include oral interviews and/or written statements from the complainant, the alleged harasser, any witnesses who may be able to provide pertinent information about the facts of the case, and review of any documentation of previous allegations and/or disciplinary actions related to harassment or discrimination. In the course of the investigation, the alleged harasser will be informed of the allegations and the facts surrounding the allegations and will be afforded a full opportunity to respond.

In general, the investigation process will consist of the following procedures:

1. Interview complainant.
2. Have complainant read, approve, and sign a written report of the incident.
3. Notify accused of complaint. Interview and obtain written report from accused.
4. Interview and obtain written reports from witnesses to the incident of harassment or discrimination.

The University is committed to investigating and resolving any complaint of harassment or discrimination brought to the attention of the University. The investigation process will be completed in an appropriate and timely manner.

An individual who believes he or she is a victim of harassment or discrimination or retaliation is encouraged to keep a record of the objectionable conduct. However, the complainant should be aware that a record kept at the direction of the University may be considered privileged, to any extent possible.

**C. Committee Review and Resolution**

The results of the investigation will be reviewed by an appropriate subcommittee of the Personnel Advisory Committee and the appropriate Senior Vice Chancellor.

<i>Individual Accused</i>	<i>Appropriate Committee to Hear Claim</i>
Student	· Student Services Committee
Faculty	· Executive Vice Chancellor · Dean of college or school · One faculty member · Human Resources Director
Staff or Administrator	· Senior Vice Chancellor of the employee's division · Two staff employee members from the Personnel Advisory Committee · Human Resources Director
Others associated with	· Vary depending on circumstances the University

If a member of the appropriate body is involved in the incident or asked to be recused from the review, another appropriate representative will be appointed to the review committee by the Senior Director of Human Resources.

**The results of the investigation may fall into two categories:**

- **No Merit** - If the appropriate committee determines the complaint is without merit, the complaint will be regarded as resolved with no further action.
- **Merit** - If after review by the appropriate committee, the

complaint is determined to have merit, appropriate sanctions and/or disciplinary action will be taken. The harasser's supervisor, in conjunction with the appropriate Senior Vice Chancellor and the Office of Human Resources, will coordinate the disciplinary action which may include (but not be limited to) counseling or education about discrimination or harassment, verbal or written reprimands, reassignment, suspension or termination. Disciplinary procedures will vary as a result of the parties involved, i.e., the complainant and the accused. A recommendation of disciplinary action will be forwarded to the Chancellor for approval.

In all cases, The Senior Director of Human Resources will provide a written response to the complainant and the accused following conclusion of the process. The procedures outlined in this policy do not deny the right of any individual to pursue other avenues of recourse which may include filing charges with the Equal Employment Opportunity Commission (EEOC), initiating civil action, or redress under state, civil, or criminal statutes and/or federal law.

**D. Confidentiality**

Harassment or Discrimination is a particularly sensitive issue that may affect any member of the University community. The University recognizes the privacy rights of both the complainant and the accused in a harassment situation. The University and its employees will take care to provide confidentiality to all parties involved in a discrimination or harassment charge. However, it will be necessary to investigate the complaint and to respond to any legal and/or administrative proceedings, which may arise out of or relate to the harassment complaint. The need to include individuals in the investigation will obligate sharing of information in the process.

**E. Non-Retaliation**

Retaliation is a very serious violation of this policy and should be reported immediately. Any attempt to penalize or retaliate in any way against a person bringing, investigating, or cooperating with an investigation of a harassment or discrimination charge is prohibited and will be treated as a separate incident to be reviewed on its own merit.

**F. Protection of the Alleged Harasser**

In the event the allegations are not substantiated, all reasonable steps will be taken to restore the reputation of the alleged harasser if it was damaged by the proceeding.

**G. False claims**

A complainant found to have been intentionally dishonest in making the allegations or to have made them maliciously is subject to the full range of the University's disciplinary procedures from official reprimand to dismissal.

**IV. Sanctions**

Sanctions will be determined based on the severity and/or number of incidents. Prior issues related to harassment and discrimination will be taken into account in determining the appropriate disciplinary level.

**A. Employees**

Potential sanctions for harassment include the following:

- Disciplinary warning/reprimand
- Referral to appropriate counseling
- Reassignment
- Temporary suspension
- Termination

**B. Students**

Potential sanctions for harassment include the following:

- Disciplinary warning/ reprimand
- Disciplinary probation

Suspension  
Expulsion

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## STUDENT RECORDS POLICY

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### *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.

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