

UNDERGRADUATE CATALOG

2014–2015



Policy Statement

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

Troy University does not discriminate on the basis of sex, age, color, race, national origin, religion, disability, veteran status or sexual 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.

2014-2015
Troy University
Undergraduate Catalog

Troy University
Troy, Alabama 36082
(334) 670-3000
www.troy.edu

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

TROY UNIVERSITY

ACCREDITATION, MEMBERSHIPS AND AFFILIATIONS

Troy University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, baccalaureate, master, 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
- Accreditation Council for Business Schools and Programs
- Commission on Accreditation of Athletic Training Education
- Commission on Sport Management Accreditation
- Council for Accreditation of Counseling and Related Educational Programs
- Council for the Accreditation of Educator Preparation
- Council on Rehabilitation Education
- Council on Social Work Education
- National Association of Schools of Music
- Network of Schools of Public Policy, Affairs, and Administration

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
- American Association of Colleges for Teacher Education
- American Association of State Colleges and Universities Council on Education
- American Council on Education
- American Association of Colleges of Nursing
- Association to Advance Collegiate Schools of Business
- Council for Adult and Experiential Learning
- International Association of Schools of Social Work
- National Strength and Conditioning Association - Education Recognition Program
- Southern Business Administration Association
- Southern Council on Collegiate Education for Nursing

Troy University is affiliated with the following:

- Servicemember's Opportunity College Program

TABLE OF CONTENTS

General Information	5
Student Services	9
Admissions	11
Academic Regulations	15
Tuition and Expenses	26
Financial Assistance	28
Degrees and Required Credit Hours	41
General Studies Program	42
Specialized Curricula	44
College of Arts and Sciences	47
Sorrell College of Business	64
College of Communication and Fine Arts	69
College of Education	77
College of Health and Human Services	86
Course Descriptions	96
Board of Trustees, Administration and Faculty	201
Emeritus Faculty	217
Appendices	219
Index	224

UNIVERSITY MISSION STATEMENT

Troy University is a public institution comprised of a network of campuses throughout Alabama and worldwide. International in scope, Troy University provides a variety of educational programs at the undergraduate and graduate levels for a diverse student body in traditional, nontraditional, and emerging electronic formats. Academic programs are supported by a variety of student services

which promote the welfare of the individual student. Troy University's dedicated faculty and staff promote discovery and exploration of knowledge and its application to life-long success through effective teaching, service, creative partnerships, scholarship and research.

WELCOME TO TROY UNIVERSITY

Troy University's history of teaching excellence dates to its founding in February 1887 as Troy Normal School. From the outset, the institution quickly earned a reputation for innovation and accessibility. Troy Normal became Troy State 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 in each schedule of classes or at www.troy.edu.

GENERAL INFORMATION

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

Academic Support

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

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

Alumni Association

The Troy University Alumni Association's sole purpose is to establish mutually beneficial relations between Troy University and its alumni. Alumni Affairs coordinates the activities of this association, promotes alumni services, and establishes scholarships. In addition, Alumni Affairs maintains and updates alumni records and 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 through programs such as Passport which connect Troy international students to the primary and secondary schools and volunteer organizations. 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, the desire to lead when it is the best way 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 facilitates leadership development by:

1. Instituting, attracting, administering and coordinating leadership conferences,
2. Administering and teaching courses for the Minor in Leadership Studies, and courses for the Major in Social Science with a concentration in Leadership Development.
3. Providing faculty and staff development including conducting the Chancellor's Fellows Program and working with the administration, colleges, departments, programs and other unites to promote sound leadership.

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 the effectiveness of each academic, administrative, educational support, research, and community service unit's program-level 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 Book of demographic information online and in print format. In addition, the IRPE office serves as the 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), Troy University Public Radio, Interactive Video Conferencing. 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 Public Radio International (PRI). TROY Public Radio operates the Radio Reading Service for the sight-impaired and handicapped.

Selected courses are offered through interactive videoconferencing. Classrooms use either digital microwave technologies or interactive videoconferencing to connect students.

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. The Broadcast and Digital Network also helps faculty who teach video-based distance education courses by offering faculty a variety of delivery methods including the interactive videoconferencing network.

Information about Troy University Public Radio and TROY TrojanVision is available at their website on www.troy.edu and at (334) 670-3555.

Intercollegiate Athletics

The Troy University Department of Intercollegiate 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 and field, and tennis. The women's sponsored sports include basketball, cross country, golf, soccer, softball, track and field (indoor and outdoor), tennis, and volleyball. Troy Athletics also sponsors the co-ed sport of rodeo which is affiliated with the National Intercollegiate Rodeo Association.

Beginning in the fall of 2005, all Trojan sports began competition in the Sun Belt Conference which includes 1-2 schools from Alabama, Arkansas, Florida, Georgia, 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. After earning the respect of national powers the University of Miami and the University of Nebraska, the Trojans shocked SEC powerhouse Mississippi State during its homecoming. Troy exited Starkville with a 21-9 victory. Since then, the Trojans have defeated nationally ranked Missouri, Marshall (twice), Oklahoma State and the United States Naval Academy.

In 2006, the Trojans earned their first of five consecutive Sun Belt Conference champions and were winners of the R+L Carriers New Orleans Bowl. The team also appeared in the New Orleans Bowl in 2008, losing in overtime to Southern Miss. In 2009, the Trojans earned their fourth straight league title and became the first team in Sun Belt history to go through a season 8-0 in league play. And in 2010, the Trojans once again appeared in the New Orleans bowl and claimed victory with a 48-21 win over the Ohio University.

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 1995. The Troy baseball team captured conference titles in 2005, 2006, and 2013 and advanced to the Division I Regional Tournament in 1995, 1996, 2006, 2007, 2011 and most recently capped off in 2013 by beating the University of Alabama not once, but twice.. Troy's softball team won the conference championship, defeated the Ohio Valley Conference champions in a play-in, and advanced to post-season play in 1996, the first softball team from the state of Alabama ever to do so.

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 2009-10. March Madness invaded Troy in 2003 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. Also, last year, the Trojans once again returned to the NIT Tournament to face the University of Mississippi.

University athletic teams have a history of success at every

level. In all, Troy University 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 champs 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 and football coaches. It features a 150 seat auditorium (the Elizabeth Mills Rane Learning Center) and the Ben F. Beard Recruiting Lounge as well as locker rooms and several meeting rooms.

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 that houses coaches' 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 include the new Trojan softball complex (completed in the fall of 2001) and soccer/track complex (completed in the spring of 2003). Also, the state-of-the-art Lunsford Tennis Complex was completed in the fall of 2001, doubling the number of courts available to Troy University Troy Campus students and the Troy community.

Additionally, construction was completed last year on a state-of-the-art multi-purpose arena and convocation center 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.

Values Statement

We believe the education, emotional, ethical and physical development of the student-athlete is our primary objective.

We believe people are our greatest asset and positive morale will be an integral part of the program. Positive coach morale leads to positive player morale, which enhances academic and athletic success.

We believe in nurturing diversity and fostering respect and dignity for each individual.

We believe in institutional control of athletics to assure compliance with rules and regulations.

We believe that service to our alumni, fans and supporters is important to our program's success. This service is demonstrated by fielding successful teams, ensuring fan satisfaction and through a caring attitude.

Vision Statement

Our expectation is to be a model program reaching the highest level of success in all NCAA measures in each sport program both on the fields of play and in the classroom. We expect to advance Troy University Athletics to be the premier program in the

Sun Belt Conference while maintaining viable candidacy for future conference expansion and/or realignment. We also expect to be among the top institutions in NCAA academic measures such as the student-athlete graduation rate, the Academic Progress Rate (APR) and the Graduation Success Rate (GSR).

Library

The Troy University Libraries hold a wide variety of resources in multiple formats, including print, multimedia (CD ROM, video, audio cassettes, microfilm, microfiche, and records) as well as electronic linkages both on the library network and on the Internet to libraries and information resources worldwide. These resources allow the library staff to ensure that students and faculty have access to the information they need to fulfill their educational and research goals.

The library's 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 the library services more efficiently. The library's homepage is constantly developing to provide more sophisticated and user friendly access to the resources in the library and around the world. The library faculty and staff are continually developing quality collections, facilities, and services to assist students and faculty in their educational journeys. The library faculty and staff provide professional and technical assistance and instruct users in the best methods of utilizing the library's resources. Through this instruction and assistance, students learn information literacy skills that will support lifelong and continuing education.

Sponsored Programs

Sponsored Programs (OSP) is responsible for facilitating the activities of faculty and staff in seeking external support for research and creative projects. OSP is responsible for assuring that all agency guidelines and University policies are followed. Sponsored Programs assists in identifying sources of external funding and assists faculty/administrators 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 and administrators 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, fax (334) 670-3259, email osp@troy.edu or visiting the Office of Sponsored Programs website at www.troy.edu.

Student Accident and Sickness Insurance Plan

Troy University offers an accident and sickness insurance plan to all students. For more information, contact the Student Health Center at (334) 670-3452 or visit the Student Health Services website at www.troy.edu.

Troy Global Campus

Global Campus is responsible for the delivery of educational

programs out of state, outside the U.S. and through eTROY and is designed to meet the needs of civilian working adults, international students overseas, 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 Global Campus are the responsibility of the deans of the academic colleges, academic department, and appropriate Global Campus personnel. 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 Global Campus is the responsibility of the vice chancellor of Global Campus.

All student services functions are 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 Global Campus sites.

All of the degree programs offered at Global Campus sites or campuses are approved programs in the Undergraduate Catalog; however, not all degree programs are offered at every location.

eTROY

Troy University's eTROY was established as a comprehensive, educational unit of Troy University's Global Campus to allow and provide any student, regardless of location, the opportunity to earn a Troy University degree online. Since its inception, eTROY has expanded to include different programs and methodologies to reach local students, working adults, and the military. eTROY offers students the opportunity to obtain both undergraduate and graduate courses 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 eTROY at <http://trojan.troy.edu/etroy/onlineundergraduateprograms.html>.

State Authorizations

Information on state authorizations is located at: <http://trojan.troy.edu/etroy/accreditation.html>.

Troy University Foundation

As authorized by the Board of Trustees, the Troy University Foundation was established in 1968. The Foundation is a permanent, non-profit organization created to attract private support for the Troy University system. The Foundation is governed by a self-perpetuating board of directors. The University, through its Foundation, seeks to gain meaningful financial support from private sources as an essential supplement to legislative funds, students' fees and federal grants. It is, therefore, committed to an active program to attract contributions from foundations, corporations and individuals. The Foundation accepts gifts of cash, real estate, securities, life income gifts, bequests through wills, life insurance policies, charitable trusts, life estate agreements, named funds and approved gifts-in-kind. For more information, please contact the associate vice chancellor for development at: (334) 670-3608 / fax (334) 670-5855 / email jlaliber@troy.edu.

University Relations

University Relations provides information to the university's

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

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

DIVISION OF STUDENT SERVICES

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

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

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

Troy University Student Creed

- I allow 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.

STANDARDS OF CONDUCT

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:

1. Dishonesty, such as cheating, plagiarism or knowingly furnishing false information to the University, faculty or other officers or employees of the University.
2. Forgery, alteration or misuse of university documents, records or identification.
3. Issuance of a worthless check made payable to Troy University.
4. Actual or threatened physical abuse, threat of violence, intimidation, hazing, harassment, or any other act that endangers the health or safety of any person.
5. Any sexual conduct that takes place without the victim's consent, sexual harassment, or sexual misconduct.
6. Destruction, damage, or misuse of university property, public, or private.
7. Theft, attempted theft, burglary, attempted burglary, accessory to these acts, and/or possession of stolen property.
8. Unauthorized manufacture, sale, delivery, use, or possession of any drug or drug paraphernalia defined as illegal under local, state, or federal law.
9. The unlawful possession, use, or distribution of alcoholic beverages, public drunkenness, driving under the influence, or the public display of alcoholic beverages and the use or display of such in public areas of the residence halls and all other public areas of the campus.
10. Participation in any form of gambling.
11. Use, possession, display or distribution of 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 paintball guns). Only duly-constituted law enforcement officers may possess firearms on campus.
12. Use, possession, display or distribution of any toy weapon which resembles a real weapon, 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 any person.
13. Disorderly conduct, including rioting, inciting to riot, assembling to riot, raiding, inciting to raid, and assembling to raid university properties.
14. Pervasive behavior or dress that is objectively offensive and detracts from the educational experience of other students.
15. Trespassing or unauthorized entry to or use of university facilities.
16. Unauthorized use or attempted use of any services belonging to or provided by the University, including but not limited to, computer, telephone, cable television, copying facilities, or any other such service.
17. Unauthorized possession of a key to any university facility.
18. Interference with the use of or access to university facilities, obstruction or disruption of teaching, research, administration, service, disciplinary procedures, or other activities on university property by either university or non-university person or groups.
19. Classroom disruption to include any classroom behavior that interferes with the instructor's ability to conduct class or the ability of other students to learn.
20. Failure to dress appropriately for academic exercises or campus events including no footwear, pajamas, dirty clothes / body offensive to others and head coverings indoors unless considered to be a part of religious dress.
21. Failure to promptly comply with directions of university officials (faculty, staff or student employees) or law enforcement

10 · STUDENT SERVICES

- officers acting in the performance of their duties as such officials and officers. Being disrespectful to a University official in the performance of their duties.
22. Participation in setting or causing to be set any unauthorized fire, entering false fire alarms, or bomb threats, tampering with fire extinguishers, alarms, or other safety or fire-fighting equipment, failure to evacuate or immediately respond to a fire alarm.
 23. Pervasive use of the mail, telephone, computers and electronic media that undermines and detracts from the educational experience of other students and/or the ability of faculty or staff to meet their obligations to provide for students' educational experience.
 24. Conviction of any misdemeanor or felony that adversely affects the educational environment of the University.
 25. 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.
 26. Conduct in violation of public law, federal and state statutes, local ordinances, or university regulations or policies whether or not specified in detail, that 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.
 27. Any other activity, conduct or dress not specifically stated herein that impairs, endangers or disrupts any person, property, social order or the educational environment of the University.

COMPLAINT POLICY

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.

DISABILITY SERVICES: POLICIES AND PROCEDURES

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

TOBACCO POLICY

Introduction

Troy University is committed to providing a healthy and safe environment for all students, faculty and staff. The University's Board of Trustees demonstrated this commitment with the approval of a resolution designating Troy University as a tobacco-free institution. This new policy, which will go into effect on August 13, 2012, will prohibit smoking and the use of all tobacco products within all University buildings, parking lots, structures, walkways, indoor and outdoor athletic facilities, University vehicles, worksites and grounds and any vehicles on campus regardless of ownership. The health care and health education programs of the University perform an important function by demonstrating and promoting healthy lifestyles through activities such as curtailment of the use of tobacco products.

Definitions

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

Policy

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

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

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

Implementation Authority

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

Compliance

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

COMMITMENT TO FREE EXPRESSION

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

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.

All 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.

If fraudulent information is discovered on the application form, 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.

A. Unconditional Admission

Beginning freshmen who are graduates from a regionally accredited and/or state approved high school or who have earned a state issued GED (General Education Diploma) with a cumulative score of at least 500 (150 in each test area if taken 01/01/2014 or after) may be granted unconditional admission with proof of an acceptable test score (20 on the ACT or 950 on the SAT-1) and a minimum high school GPA of 2.00 on a 4.00 scale. 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.

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.
- If the applicant's composite score on the ACT is less than 20 (but at least 17) on the ACT or 950 on the SAT-1 (but at least 830), 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 with a cumulative score of at least 500 (150 in each test area if taken 01/01/2014 or after) and has a composite score on the ACT of less than 20 (but at least 17) or less than 950 (but at least 830) on the SAT-1.

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 13 credit hours per semester (seven

hours per accelerated semester) for a maximum of 24 hours of Troy University work.

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

A conditionally admitted student whose academic performance results in being dropped from the program may appeal for readmission to the University, after a period of 12 months, through the campus-specific Conditional Appeals Committee (CAC) where the original conditional admission was granted. Students who have transferred to accredited universities after being dropped from the program and wish to return to Troy must apply for admission through the Office of Enrollment Management.

C. Unclassified

Unclassified admission applies only to active duty military personnel or dependents of active duty military personnel. The status must be appealed to the dean of enrollment management, or the appropriate campus designee, for unclassified admission status to Troy University.

To be designated an unclassified student, the military member/dependent must submit a valid military identification card at the time of application. Students attending under unclassified admission are not eligible for temporary admission and must submit all required documentation prior to completing the first semester (two accelerated semesters), or they will not be allowed to enroll in subsequent semesters or terms. No financial aid will be awarded by Troy University to students in this status.

The maximum load for an unclassified student is 13 credit hours (seven hours in an accelerated semester). In the event the final records indicate the student is not eligible for admission, the student shall be administratively withdrawn from all coursework for the semester/accelerated semester.

A student admitted under the unclassified admission status may move his or her academic program to any of the campuses of Troy University upon completion of one semester (two accelerated semesters) with a grade point average of 2.0 or better.

D. Other

• *Early Admission*

Admission 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 and a 3.00 GPA. Additionally, applicants must submit a letter from a school official authorizing their enrollment under this status.

• *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 and a 3.00 GPA. Additionally, applicants must submit a letter from a school official authorizing their enrollment under this status.

Transfer Applicants

Transfer applicants must have attempted at least 24 credit hours of coursework, excluding developmental courses, at other 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 (on security paper with registrar's signature and without "issued to student") from each college or university they have previously attended sent directly to the admissions office of the Troy University campus where they plan to attend. Transfer applicants must also submit transcripts from colleges where registration was completed, even though credit might not have been earned. Transfer applicants must have attempted a minimum of 24 hours of non-developmental coursework at another college or university to be admitted as a transfer student. A student may not be enrolled at another college or university and Troy University at the same time without prior approval of the dean of enrollment management or the appropriate campus designee.

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 remedial/developmental 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.

B. Unclassified

Unclassified admission applies only to active duty military personnel or dependents of active duty military personnel. The status must be appealed to the dean of enrollment management, or the appropriate campus designee, for unclassified admission status to Troy University.

To be designated an unclassified student, the military member/dependent must submit a valid military identification card at the time of application. Students attending under unclassified admission are not eligible for temporary admission and must submit all required documentation prior to completing the first semester (two accelerated semesters), or they will not be allowed to enroll in subsequent semesters or terms. No financial aid will be awarded by Troy University to students in this status.

The maximum load for an unclassified student is 13 credit hours (7 hours in an accelerated semester). In the event the final records indicate the student is not eligible for admission, the student shall be administratively withdrawn from all coursework for the semester/accelerated semester.

A student admitted under the unclassified admission status may move his or her academic program to any of the campuses of Troy University upon completion of one semester (two accelerated semesters) with a grade point average of 2.0 or better.

International Admission: Additional information for beginning freshmen and transfer applicants

Contact information for international applicants:

Center for International Programs
123 Pace 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 <http://admissions.troy.edu/international>. Questions may be addressed to the International Admissions Office by email at intladm@troy.edu or by telephone at 1-334-670-3335.

Additional Requirements for a Student Visa

Only the Troy University campuses in Alabama are approved to host students on a nonimmigrant student visa.

First-Time University Students

The following documents must be filed with the Center for International Programs:

1. The Admissions 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. The IELTS minimum score is 5.5. *or*
 - ACT minimum score composite score of 20, with not less than 18 on the English component *or*
 - SAT minimum score of 950, with not less than 430 on verbal score.
4. A detailed statement of financial status that clearly documents the student's ability to finance studies at Troy University. These documents must show proof of a minimum of \$22,000 per academic year of study.
5. Appropriate Application Fee of \$50 USD.

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. Adviser's Report Form from the current student adviser.
3. Either TOEFL scores or a record of a grade of "C" or better in English composition 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

Students seeking transfer of credits from a foreign university must request an official credit evaluation from Troy University. Students may use one of two methods for an official credit evaluation.

1. Present original transcripts including an English translation and university prepared course descriptions for courses the student desires to transfer to the Internal

Admissions Office for processing through the Academic Evaluation Center.

- Request an official evaluation from AACRAO or ECE by submitting transcripts and course descriptions to one of the said organizations. The official evaluation, along with the original transcripts, must be presented to the International Admissions Office for processing through the Academic Evaluation Center.

English Proficiency Requirements for Admitted Students

The ACT Compass ESL 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 for specific information.

To admit students from the ESL program to academic programs based upon their achievement in the ESL program, the following process will be used:

- Initially arriving international undergraduate students will be administered the ACT Compass ESL test and placed into the appropriate level of ESL classes or into academic classes based on the following cut scores: A score of 270 on the Listening, Reading and Grammar sections, with no individual score below 85, and a minimum score of 8 out of 12 on a writing test.
- 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 bridge to undergraduate programs. Such students must take at least two ESL courses for the semester. 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 bridge a second semester.

International Students who are non-native speakers of English must take the ACT Compass ESL examination in order to place in an English composition course, ESL 1100 or ENG 1101.

NOTE: Students may take the ACT Compass ESL and the paper version of the TOEFL examination 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 must apply for readmission through the admissions office of the campus they wish to attend. A Medical History Form is required for students readmitted to the Troy Campus.

- More than three year absence: 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.

Prior temporary, unclassified and conditional admissions status at a different home location from where student is readmitted

Temporary and unclassified students must clear admission with their original home location before taking classes at another Troy University location. Conditional students must clear admission requirements at their original home locations to fulfill their conditional contracts prior to enrolling at another Troy University location.

Readmission after academic suspension

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 authoriza-

tion 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. Some campuses may require submission of the completed Medical History Form in order to complete this process.

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 for which the temporary admission was given. With the permission of the dean 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 shall 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:

- Middle States Association of Colleges and Schools
- New England Association of Schools and Colleges
- North Central Association of Colleges and Schools
- 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.

International Transcripts:

The validity of international transcripts will be determined by the Office of International Admissions.

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.

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 Trojan Web Express.
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

Complete the first degree as certified by the registrar.

1. Declare a new program of study after the first degree has been certified as completed by the registrar.
2. Earn an additional 15 semester hours in residence in the declared program (see residency credit)
3. File an Intent to Graduate form at www.troy.edu/graduation/html in accordance with the published deadlines.
4. 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 each class 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 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 Trojan Web Express.)
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 minimum of 50% of all degree program hours must be completed on a senior college (four-year degree) level.

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 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.

5. File an Intent to Graduate form at www.troy.edu/graduation/html in accordance with the published deadlines.
6. Meet all current requirements for the second or subsequent degree.

Students With a Completed Bachelors 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 for insufficient enrollment.

Classification

<i>Hours Earned</i>	<i>Classification</i>
Less than 30	Freshman
30-59	Sophomore
60-89	Junior
90 or more	Senior

Credit Definitions

Regular Credits

College credits are expressed in semester hours or credit hours.

Credit Hour

A credit hour at TROY equals not less than one hour of classroom or direct faculty instruction for approximately fifteen weeks for one semester hour of credit, or the equivalent amount of work over a different amount of time.

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, AICE, and DANTES 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 and will be posted only after the student has satisfactorily completed 12 semester hours of undergraduate credit with Troy University and has attained unconditional admission status.

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 at Troy University. 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.

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 Records 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 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 courses (*do not count toward degree requirements*)
- 1100 sequence: Freshman level (*exceptions noted in course descriptions*)
- 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.
- A “session” is defined for hour limit purposes as up to nine weeks of class meetings within a semester.

Fall, Spring, and Accelerated Semesters/Terms

- Minimum Full-Time Undergraduate Load: 12 semester hours (six semester hours for accelerated semester 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 of the student’s academic adviser, and signature of the department chair, or designee. Troy Campus student overloads require the signature of the Associate Provost/Dean of Undergraduate Studies.
- Students on academic probation: Limited to 13 semester hours (seven semester hours for accelerated semester schedules)

Summer Semesters (Alabama Campuses)

- Minimum Full Time Undergraduate Load: Nine 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 of the student’s academic adviser, and signature of the department chair. Troy Campus student overloads require the signature of the Associate Provost/Dean of Undergraduate Studies.
- 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 terms 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 terms 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 Trojan Web Express, 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.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 can 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 Global Campus or eCampus, students should contact their home campus 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 Global Campus or eTROY, students should contact their

home campus 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 associ-

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	Failure to attend	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

ate dean or dean of the college. The department chair will forward the appeal package to the designated associate dean or dean. The designated associate dean or dean will empanel three full-time faculty colleagues from the department and/or discipline to review the matter. *The decision of this panel shall be final and binding on all parties.*

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

Grade Point Average (GPA)

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

Grading System

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 will announce cancellation of classes through local and regional media as well as through the University's website.

As part of Troy University's efforts to provide accurate, timely information to our University community, the SOS communication system delivers emergency notices to a variety of electronic devices. To subscribe to SOS visit the SOS— Emergency Information Web page at www.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 semester 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's 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. For more information, students should consult their academic advisers and/or the respective academic departments.

Readmission

To be readmitted to the 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.

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 on line by accessing the 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, he/she 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 those students will 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 which 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.

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 University Records. 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 University Records.

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 courses may be repeated once for grade forgiveness. The grade of the first repeat will 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. For more information, see the website at <http://www.troy.edu/records>.

Degree Plans / Academic Evaluations

Academic evaluations are available in the Record's Office. Unofficial academic evaluations are available to students on Trojan Web Express.

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 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 be dropped from program.

Unconditionally Admitted Students**Probation**

A student must earn or maintain a 2.0 average or higher or be placed 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.

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 after a 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 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 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, session, 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.troy.edu/records). The 65% rule also applies to international teaching locations.

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

Students who wish to withdraw from all classes prior to the last day of late registration must CANCEL their registration in writing through the designated withdrawal officer (DWO) listed on the Academic Records web page (www.troy.edu/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/session may withdraw with no 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 Trojan Web Express. An official withdrawal form must be completed and processed before the student's withdrawal is considered final. The form may be accessed at www.troy.edu/records.

Students may not withdraw after the withdrawal deadline. Any student who fails to withdraw by the deadline will be assigned a 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.

DSST (DANTES SUBJECT STANDARDIZED TEST) SCORES

General Information

Troy University, as a leading provider of education to military service members, offers a variety of credit earned through **DSST** (DANTES SUBJECT STANDARDIZED TEST) scores.

Information regarding DSST tests, equivalent Troy University courses, and test scores needed for equivalency credit are available at: <http://trojan.troy.edu/records/assets/documents/DANTES.pdf>

Currently, courses are available for equivalency credit in several disciplines, including a number of General Studies Program requirements. Additionally, successful achievement on some DSST tests will generate Troy University general elective equivalency credit.

Application of DSST Credit

DSST credit cannot be awarded for any courses for which credit has already been earned.

Required Score

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

Test Availability

Tests on this list may not always be available. The listing changes frequently.

Repeating an Exam

Students must wait six (6) months before retaking the same DSST exam.

Questions

Specific questions can be directed to the campus registrar for each Troy University location.

CLEP EXAMINATIONS

Troy University accepts a variety of CLEP exams. For more information, please contact the appropriate registrar.

CLEP Exam Title	Troy University Course(s)	Hours	Required Score
American Government	POL 2241	3	50
American Literature	ENG 2211 and 2212	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)	ENG 1101 and 1102	6	50
French Language, Level 1	FRN 1101 and 1102	6	50
German Language, Level	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
Humanities — General	ART 1133; MUS 1131; and literature course	7	50
Information Systems and Computer Applications	IS 2241	3	50
Introductory Macroeconomics	ECO 2251	3	50
Introductory Microeconomics	ECO 2252	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
Principles of Management	MGT 3300	3	50
Principles of Marketing	MKT 3300	3	50
Pre-Calculus	MTH 1114 or 1115	3	50
Financial Accounting	ACT 2291	3	50
Social Science — General	General studies social science elective and unspecified elective	6	50
Spanish Language, Level 1	SPN 1141 and 1142	6	50
Western Civilization I	HIS 1101	3	50
Western Civilization II	HIS 1102	3	50

Application of CLEP credit

CLEP credit cannot be awarded for any courses for which credit has already been awarded.

Required Score

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

ADVANCED PLACEMENT (AP) EXAMINATIONS

Troy University accepts a variety of Advanced Placement (AP) exams. Students must have official score reports sent directly to the dean of enrollment services, Troy, Alabama, and make a request to have credit awarded through the appropriate registrar. Credit is not automatically awarded upon

AP Exam Title	Troy University Course(s)	Required Score
American History	HIS 1111	3
American History	HIS 1111 and HIS 1112	4
Art (Studio)	ART 2201	3
Art History	ART 1133	3
Biology	BIO 1100 and L100	3
Chemistry	CHM 1142, L142, 1143, and L143	3
English Language Composition	ENG 1101	3
English Literature Composition	ENG 1101	3
European History	HIS 1101	3
European History	HIS 1101 and HIS 1102	4
French	FRN 1101 and 1102	3
German	GER 1121 and 1122	3
Government and Politics	POL 2241	3
Latin	LAT 1131 and 1132	3
Macro Economics	ECO 2251	3
Calculus AB	MTH 1125	3
Calculus BC	MTH 1125 and 1126	3
Micro Economics	ECO 2252	3
Music Listening	MUS 1131	3
Music Theory	MUS 1102 and 1103	3
Physics (B)	PHY 2252 and 2253	3
Psychology	PSY 2200 and 2201	3
Psychology	PSY 2201 and 2201 or PSY 2210	4
Spanish Language	SPN 1141	3
Spanish Language	SPN 1141 and 1142	4
Spanish Literature	SPN 1141	3
Spanish Literature	SPN 1141 and 1142	4
Statistics	MTH 2210	3
World History	HIS 1122	3
World History	HIS 1122 and HIS 1123	4

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 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 / BIO L100	4	4
General Chemistry	CHM 1142 / CHM L142	5	4
Computing Studies	IS 2241	5	3
Economics	3 hours of free elective credit	5	3
English	ENG 1101	4	3
	ENG 1101/ ENG 1102	5	6
	ENG 1103	4	3
	ENG 1103 / ENG 1104	5	6
French	FRN 1101	5	3
History-America	HIS 1111	4	3
	HIS 1111/ HIS 1112	5	6
	HIS 1113	4	3
	HIS 1113/ HIS 1114	5	6
History-European	HIS 1101	4	3
	HIS 1101/ HIS1102	5	6
	HIS 1103	4	3
	HIS 1103 / HIS 1104	5	6
Mathematics	MTH 1112, MTH 1125, MTH 1110	5	3
Philosophy	PHI 2203	5	3
Physics	PHY 2252 / PHY L252	5	4
Psychology	PSY 2200	5	3
Spanish	SPN 1141	4	3
	SPN 1141 and SPN 1142	5	6

ADVANCED INTERNATIONAL CERTIFICATE OF EDUCATION (AICE)

Examination scores of A, B, C, D, E and U are awarded for A/AS Level Examinations. Scores of A–E are passing and credit can be awarded. Scores of U 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, Edexcel, Oxford, Cambridge, RSA Examinations, Welsh Joint Education Committee, Northern Ireland Council for the Curriculum, Examinations and Assessment); subjects not presented in the table below will be reviewed on an individual basis.

English Language A/AS examinations for students whose native language is not English will be transferred as free electives only.

For courses not listed in the chart below, go to the following link: http://trojan.troy.edu/records/assets/ddocuments/GEC-A_AS.pdf

AICE Exam Title	TROY Course(s)	Credit Hours Awarded
Art and Design – A Level or AS Level	ART 1133	2
Biology – A Level	BIO 1100, BIO L100, BIO 1101, BIO L101	8
Biology – AS Level	BIO 1100, BIO L100	4
Chemistry – A Level	CHM 1142, CHM L1142, CHM 1143, CHM L143	8
Chemistry – AS Level	CHM 1142, CHM L142	4
Computing – A Level or AS Level	IS 2241	3
English Language – A Level	ENG 1101, ENG 1102	6
English Language – AS Level	ENG 1101	3
English Literature – A Level	ENG 2211, ENG 2212	6
English Literature – AS Level	ENG 2211	3
Mathematics – A Level	MTH 1112, MTH 1114	6
Mathematics – AS Level	MTH 1112	3
American History – A Level	HIS 1111, HIS 1112	6
American History – AS Level	HIS 1111	3
European History – A Level	HIS 1101 or 1122 HIS 1102 or 1123	6
European History – AS Level	HIS 1101 or 1122	3
Physics – A or AS Level	PHY 2252, PHY L252	4
Psychology – A or AS Level	PSY 2200	3
Spanish – A Level	SPN 1141, SPN 1142	6
Spanish – A or AS Level	SPN 1141	3

TUITION AND EXPENSES

For a complete listing of current registration and related fees, visit the financial affairs website at www.troy.edu.

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 last day of the regular registration period 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 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-third of all semester charges are due by the last day of regular registration for the current semester in order for registration to be complete. Students with an account balance after the first payment due date will be assessed a \$25.00 payment plan fee. To meet the one-third 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 may be paid in two installments. Failure to pay the entire balance of tuition and fees by the third 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. *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 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 participate in an entrance interview on the web at www.studentloans.gov concerning their financial obligation as recipients of loan funds.

Student Refunds

Each registered Troy University student will receive a Trojan OneCard. The Trojan OneCard will be mailed to the student using the address on file with the University only within the United States. To receive any refunds from the University, a student must activate his or her Trojan OneCard. During card activation, the student will choose how to receive his or her refund money. Options available include having the refund:

- **Directly deposited to the student's Trojan OneCard OneAccount (1 day or less from the day Higher One receives the refund transmission from Troy University)**

The OneAccount from Higher One is a fully functioning, FDIC insured, free checking account that allows a student to access his or her refund quickly and easily. The OneAccount has no minimum balance, no monthly fees, and free Internet banking features. With the OneAccount, a student may use his or her Trojan OneCard to make purchases anywhere Debit MasterCard is accepted. The student will receive an e-mail when a refund has been directly deposited to the OneAccount. The student may view detailed activity of the OneAccount by accessing the OneAccount Statement online at www.TrojanOneCard.com.

- **Deposited to another bank account of the student's choice (2-3 business days from the day Higher One receives the refund transmission from Troy University)**

If a student chooses to have his or her refund deposited to another bank account of choice, the transfer may take two to three business days from the day the University releases the funds. In order to have a refund deposited to his or her bank, a student must first activate his or her Trojan OneCard at www.TrojanOneCard.com. For this option, the student will need to complete, print and mail the third party form to the designated address. The third party form is available on www.TrojanOneCard.com.

Regardless of how students choose to receive their funds, they need to activate their Trojan One Cards. Students are required to activate their Trojan One Cards and make refund selections online at www.TrojanOneCard.com.

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-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 Perkins 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 www.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 www.fafsa.ed.gov to apply for financial aid.

- 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.
- Apply for a U.S. Department of Education Personal Identification Number (PIN) at www.pin.ed.gov.
- Be sure to complete the Troy University Certification Form for the same year as each FAFSA you complete.
- Download and complete all required forms on the financial aid website at www.troy.edu.

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 January 1 as possible for the approaching fall to be considered for all types of aid. January 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 refund checks 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 offices or financial aid website at 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 previous 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. If you wish to have your eligibility reviewed for this award, please contact the student financial aid office. 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.

- **Federal Perkins Loan Program**

The Perkins Loan program provides low-interest loans to help undergraduate and graduate students with exceptional financial need pay for their higher education. The general loan limits depend, in part, on the student's year in school. Students attending school at least half-time do not begin repaying their loan until nine months after they graduate, leave school, or drop below half-time status. Less-than-half-time students may have a different grace period. Borrowers have up to 10 years to repay the loan. Troy University has limited access to Perkins Loan funds. 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 a Perkins Loan, so it is important to apply early to have a better chance. Perkins Loans are based on the availability of funds at Troy University. If you have been awarded a Perkins Loan, you may download, print, complete, and return the signed Perkins Promissory Note from our website.

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 3% to 4% 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. Once in repayment interest rate is variable and caps at 8.25%.

- **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 3% to 4% fee by the Federal government when you borrow; the amount of your loan sent to the school is reduced by that fee. Interest rate is a maximum of 8.25%. 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 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.

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.

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 100% of tuition, pending credit hours available. Mandatory fees, such as activity fee and technology fee, are paid through AL PACT; however, laboratory fees are not included. For more information, please call 1-800-ALA-PACT (1-800-252-7228), or view the website at 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.

- **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

TROY UNIVERSITY FOUNDATION SCHOLARSHIPS & LOANS

TROY CAMPUS

Programs

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

Nature of the Awards

Each foundation scholarship or loan is awarded according to its own unique requirements. Brief descriptions of each scholarship or loan are listed below. Applications for foundation scholarships and loans must be submitted by March 31. 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.

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.

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.

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.

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 TSU. 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.

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.

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

Car Tag Scholarship program was established with funds received from the sale of Troy University car tags across Alabama.

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

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

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 TSU. 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 TSU, 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.

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.

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 P. 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 TSU, 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 TSU's Rehabilitation program. In 1973, he was named Outstanding Alumnus of the Year (Education) at TSU. 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 TSU 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 TSU 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.

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.

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.

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.

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.

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.

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.

Helen H. McKinley Excellence in Nursing Scholarship was established by John K. McKinley. The scholarship will be awarded to a full-time student pursuing a BS degree in nursing or in the curriculum leading to a registered nurse position or higher graduate nursing school education. Applications should be directed to the director of the School of Nursing.

John K. McKinley Art Scholarship was established by John K. McKinley. The purpose of the scholarship is to assist a full-time student pursuing a degree in art. Applications should be directed to the chair of the Department of Art and Design.

John K. McKinley Education Scholarship was established by John K. McKinley. The scholarship will be awarded to a junior or senior full-time student pursuing a degree in elementary education. Applications should be directed to the dean of the College of Education.

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 is awarded to students who are enrolled/enrolling at the Eglin AFB, Fort Walton Beach, or Hurlburt Field sites of Troy University and who are majoring in Applied Computer Science. Must be full-time students and have a 3.0 GPA. Information may be obtained from the office of the Pensacola district director.

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 TSU 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.

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.

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.

Hugh G. Rose Endowment Scholarship was established in 1990 through the generosity of Mr. Rose, a TSU 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 State 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 citizen 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).

Patrick Smith Rodeo Scholarship was established by Ben Smith and Angela Smith in memory of their son. It is to assist students on the rodeo team (with a preference to those involved in rough stock events) who are enrolling in Troy University as a freshman with a GPA of 2.0 and/or an ACT of 18. Information for applying can be obtained from the Athletics department and the Rodeo Team coach.

Blanche Reynolds Solomon Perpetual Memorial Scholarship was established by Mr. R.E. Solomon in memory of his beloved wife, an alumna of TSU. 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 TSU 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 was established by Frances Sanders Tidwell. The purpose of the scholarship is to assist full-time students who are natives of Pike County, Alabama, and who are pursuing majors in education or English. However, other majors may be considered if it is determined that there are no eligible applicants pursuing majors in education or English.

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.

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.

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.

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 TSU. 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.

SCHOLARSHIPS (Current)

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

Chasity Barnes Memorial Scholarship is awarded to students committed to a Christian life of faith and actively involved in a Christian Bible study organization on the Troy Campus. Scholarship is awarded by a committee of members of the New Beginning Bible Study Group.

Bryan Bergob Memorial Scholarship for Sigma Alpha Epsilon was established in memory of Bryan by his loving parents, Tom and Teresa Bergob. The purpose of the scholarship is to assist Sigma Alpha Epsilon fraternity members. The applicant must be an SAE fraternity member who has a status of sophomore, junior, or senior. Applications should be directed to the Admissions Office.

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.

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.

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.

Department of Art and Design Study Abroad Current Year Scholarship is awarded to students majoring in art and design, traveling outside the United States in the Study Abroad Program, and having a minimum 3.0 GPA. For information on applying, contact the Department of Art and Design.

Kennon Parker Duncan & Key Scholarship is awarded to new or current students in the Graduate Elementary Education program. Recipient must reside in Muscogee, Harris, Talbot, Russell or Lee County. Selection is made by Phenix City scholarship committee.

Foundation Fellowships are available in the Division of Institutional Advancement to juniors, seniors, and graduate stu-

dents. 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, or Pike. Selection will be made by the Troy University scholarship committee.

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.

Johnston Textiles Scholarship is awarded based on scholastic ability, leadership qualities, and moral qualities. Applicants seeking information should contact the Human Resources Manager at Johnston Industries, Inc. Selection is made by scholarship committee comprised of designated Jonson Textiles employees.

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.

KDP Rho Phi Annual Scholarship is awarded to Graduate students who are members of the Rho Phi Chapter of Kappa Delta Pi at the Phenix City Campus. At least one teacher recommendation is required along with a strong record of community service. Selection is made by Troy University scholarship committee.

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.

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.

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.

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.

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.

Troy University Retirees Scholarship is awarded to full-time students with a 3.0 GPA. Selection is made by the Troy University Retirees board of directors.

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.

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.

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.

LOAN FUNDS (Endowed)

Nolan and Willetta Hatcher Foreign Student Scholarship Fund was established in 1994 to recognize and encourage wor-

thy 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 junior or 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.

Nature of the Awards

TROY-Troy scholarships are four-year awards for high school students and two-year awards for junior or community college students. The University Scholarship Committee makes the selections.

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**
(maximum of 60 awarded)
Full tuition, room, and board
Requirements: 31 ACT/1380 SAT I and 3.7 GPA/4.0 scale or National Merit Finalist/Semifinalist

- **THE CHANCELLOR'S AWARD**

Full tuition

Requirements: 27 ACT/1220 SAT 1 and 3.5 GPA/4.0 scale

NOTE: In all cases where the term tuition is used above, it refers to out-of-state as well as in-state tuition.

NOTE: Junior or community college transfer students who meet the designated ACT/SAT and GPA criteria may be eligible for The Scholar's Award or The Chancellor's Award. The required GPA must have been maintained throughout the post-secondary work.

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**

The amount of these awards varies.

Requirements: 22 ACT/1030 SAT 1 and 3.0 GPA/4.0 scale; counselor recommendation; interview with faculty and staff; resume of leadership activities. 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. A separate application is required for the Excellence in Leadership Award. To obtain that form, please contact: Admissions Office, Troy University, Troy, AL, 36082 or call 1-800-551-9716 or (334) 670-3178. Application deadline is January 15.

- **PHI THETA KAPPA AWARD**

\$1,100 per year.

Each Alabama junior/community college chapter of Phi Theta Kappa may annually select and nominate one student.

Requirements: Two years of complete academic work; 3.5 GPA/4.0 scale; nomination letter from Phi Theta Kappa Adviser.

TROY UNIVERSITY, PHENIX CITY CAMPUS SCHOLARSHIPS

Troy University, Phenix City Campus offers a limited number of scholarships for currently enrolled and new students enrolled in a degree program at the Phenix City Campus. For more information, contact the Office of Financial Aid, Troy University-Phenix City, One University Place, Phenix City, AL 36869. Telephone: 334-448-5185 or 5177. Complete scholarship information can be found on the Phenix City campus website.

TROY UNIVERSITY, DOTHAN CAMPUS SCHOLARSHIPS

Troy University, Dothan Campus offers a limited number of scholarships for currently enrolled, transfer, and new undergraduate and graduate students. Full and partial tuition waiver scholarships are available to students enrolled in a degree program at the Dothan Campus. Scholarship application packets are available the first week of November for the following academic year. The application deadline is generally the first week of March with scholarship decisions being made by the end of April. 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. Complete scholarship information and online application can be found on the Dothan Campus website.

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. Most scholarships offer assistance in the form of tuition credit for one 3-hour course. Most of the scholarships are awarded for the fall semester and renewable for spring based on academic performance. Scholarship application packets are made available the first week of June for the following academic year. Some scholarship applications can be made online. The application deadline is generally the first week of August with scholarship decisions being made by the start of the fall semester.

For more information, contact the Office of Financial Assistance and Veteran Affairs, Troy University, Montgomery Campus, P.O. Drawer 4419, Montgomery, AL 36103-4419. Telephone: (334) 241-9519 or 9520. Scholarship information and on-line applications can be found on the Montgomery Campus website.

Scholarships

New Student Scholarship (Undergraduate)

Amount: The scholarship will apply only to tuition and will cover only that tuition (up to the maximum cost of one three-hour course) not funded by other financial assistance, i.e., Pell Grant, VA education benefits, tuition assistance, other scholarships, etc.

Availability: Twenty awards to new students beginning each fall semester (T-1 and T-2) and is renewable for the spring semester (T-3 and T-4). Recipient must maintain a 2.5 GPA each semester.

Criteria: The student must be unconditionally admitted by the scholarship deadline and have a 2.5 GPA on high school or previous college course work. Minimum transfer hours from college are 24 semester hours.

Deadline: July 30 (applications available June 1). Apply online at montgomery.troy.edu.

Returning Student Scholarship (Undergraduate)

Amount: The scholarship will apply only to tuition and will cover only that tuition (up to the maximum cost of one three-hour course) not funded by other financial assistance, i.e., Pell Grant, VA educational benefits, tuition assistance, other scholarships, etc.

Availability: Thirty awards to returning students beginning each fall semester (T-1 and T-2) and is renewable for the spring semester (T-3 and T-4). Recipient must maintain a 2.5 GPA each semester.

Criteria: The student must have a 3.0 GPA or higher overall GPA at Troy University Montgomery and earned a minimum of 24 semester hours at the University.

Deadline: July 30 (applications available June 1). Apply online at montgomery.troy.edu.

High School Achiever Scholarships (Undergraduate)

Amount: The scholarship will apply only to tuition and will cover only that tuition (up to the maximum cost of one three-hour course) not funded by other financial assistance, i.e. Pell Grant, Veterans Administration education benefits, tuition assistance, and other scholarships, etc.

Availability: Ten awards to high school seniors attending the Montgomery Campus the fall semester (T-1 and T-2) following graduation from high school. Award is renewable for the following spring semester (T-3 and T-4). Recipient must maintain a 2.5 GPA.

Criteria: The student must be unconditionally admitted by the scholarship deadline and have a high school GPA of 3.0 or higher; 19 ACT/910 SAT score or higher; and nomination from the school counselor. Also submit one letter of recommendation from someone other than the school counselor or a family member.

Deadline: March 31. Apply online at montgomery.troy.edu.

Returning and New Graduate Student Scholarship

Amount: The scholarship will apply only to tuition and will cover only that tuition (up to the maximum cost of one three-hour course) not funded by other financial assistance, i.e., Pell Grant, VA educational benefits, tuition assistance, other scholarships, etc.

Availability: Twenty awards to new and returning students beginning each fall semester (T-1 and T-2) and is renewable for the spring semester (T-3 and T-4). Recipient must maintain a 3.5 GPA each semester).

Criteria: Returning students must have a 3.5 overall GPA or higher on nine or more semester hours at Troy University Montgomery. New students must be unconditionally admitted to the graduate program by the scholarship deadline. The student must be enrolled for at least two courses.

Deadline: July 30 (applications available June 1). Apply online at montgomery.troy.edu.

Alumni Association Scholarship

Amount: The scholarship will apply only to tuition and will be in the amount of \$500.

Availability: One undergraduate student per semester. Three awards in the fall semester (T-1 and T-2) and three awards in the spring semester (T-3 and T-4).

Criteria: The student must have a 3.5 GPA at Troy University Montgomery; have earned a 30 semester hours with 15 of the semester hours earned at the University if applying as a transfer student.

Deadline: July 30 and December 1.

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 30.

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 award to first-time student (entering 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

Jane and Ned Varner Memorial Scholarship (Undergraduate)

Amount: \$1,000.00 (One-half of the scholarship award will be issued each semester).

Availability: One award to an undergraduate student beginning each fall semester (T-1 and T-2) and is renewable for the spring semester (T-3 and T-4)

Criteria: The applicant must have a minimum overall 3.0 GPA and must meet unconditional admission requirements at

TROY Montgomery Campus by the start of the semester (T-1 or T-2). Awardees who maintain at least a 3.0 GPA can renew the scholarship one time for the following semester (T-3 or T-4). Awardees cannot receive another TROY scholarship concurrently with the Varner scholarship. A letter of appreciation to the donor from the awardee is required

Deadline: July 30

Gene and Jan Elrod Scholarship (Undergraduate)

Amount: \$375.00 per semester period.

Availability: One undergraduate student per semester beginning with the fall semester (T-1 and T-2) and is renewable for the spring semester (T-3 and T-4).

Criteria: The student must have an overall and last term GPA of at least 2.0 and must maintain a minimum GPA of 2.0. The scholarship is awarded to hard-working students who possess the highest character and demonstrate financial need.

Deadline: July 30

DEGREES AND REQUIRED CREDIT HOURS

Degrees

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

- Associate of Arts
- Associate of Science
- 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.

BACCALAUREATE DEGREE PARAMETERS

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

Bachelor of Arts¹ and Bachelor of Science

A. General studies²

Areas I – IV42-43 hours
 Area V (University requirements and requirements specified by the major) 18 – 22 hours

B. A program or a combination of majors and minors to total at least54 hours

C. Unspecified electives: additional hours necessary to achieve a minimum of 120 total credit hours.³

¹ *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.

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

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

ASSOCIATE DEGREE PARAMETERS

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

PROGRAMS OFFERED (PROGRAM AVAILABILITY MATRIX)

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

GENERAL STUDIES PROGRAM

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 should 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.

SPECIALIZED GENERAL STUDIES REQUIREMENTS

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 or placement in courses other than those described below.

Area I (6 hours)

- *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 (13 hours)

- *Students must complete a six hour sequence in world/British/American literature or U.S. history/western civilization/world history.*
- *A total of six hours selected from Area II and/or Area IV must be international in scope. International courses are designated with an asterisk.*
- *Specialized courses in ethics (business ethics, bioethics) may fill a general studies requirement provided the course does not simultaneously fill a major's requirement and the student has satisfied the course prerequisites.*

COM	2241	(3)	Fundamentals of Speech, or placement in COM 2243 Honors Fundamentals of Speech
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Select four semester hours from the following:

ART	1133*	(2)	Visual Arts, or placement in ART 1134* Honors Visual Arts
DRA	2200	(2)	Introduction to Drama
MUS	1131*	(2)	Music Appreciation, or placement in MUS 1132* Honors Music Appreciation

Select three semester hours from the following:

ENG	2205*	(3)	World Literature before 1660, or placement in ENG 2207* Honors World Literature before 1660
ENG	2206*	(3)	World Literature after 1660, or placement in ENG 2208* Honors 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 three semester hours from the following:

ASL	1141	(3)	American Sign Language I
CLA	2260*	(3)	Classical Mythology
ENG	2205*	(3)	World Literature before 1660, or placement in ENG 2207* Honors World Literature before 1660
ENG	2206*	(3)	World Literature after 1660, or placement in ENG 2208* Honors 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
FRN	1101*	(3)	Introductory French I, or placement in FRN 1102*, 2201* or 2202*
GER	1121*	(3)	Introductory German I, or placement in GER 1122*, 2221* or 2222*
GRK	1111*	(3)	Introductory Greek I, or placement in GRK 1112*
IDS	2200	(3)	Crossroads: Sophomore Interdisciplinary Seminar in Creative Thinking
LAT	1131*	(3)	Introductory Latin I, or placement in LAT 1132*, 2231* or 2232*
PHI	2203	(3)	Introduction to Philosophy
PHI	2204	(3)	Ethics and the Modern World
ANT	2280*	(3)	World Religions
SPN	1141*	(3)	Introductory Spanish I, or placement in SPN 1142*, 2241* or 2242*

Area III (11 hours)

- *Four hours of advanced biology (course with lab) may satisfy the following biology requirement, so long as the course does not simultaneously fill a major's requirement and the student has satisfied the course prerequisites.*

BIO	1100	(3)	Principles of Biology
BIO	L100	(1)	Principles of Biology Lab

- *A minimum grade of C is required in mathematics. A higher level mathematics course may be required. Consult the listing of specialized general studies requirements for your major.*

MTH	1110	(3)	Finite Math
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Select a four hour course/lab combination from the following:

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
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 (12 hours)

- *Students must complete a six hour sequence in world/British/American literature or U.S. history/western civilization/world history.*
- *A total of six hours selected from Area II and/or Area IV must be international in scope. International courses are designated with an asterisk.*

Select three hours from the following:

HIS	1101	(3)	Western Civilization I, or placement in HIS 1103 Honors Western Civilization I
HIS	1102	(3)	Western Civilization II, or placement in HIS 1104 Honors Western Civilization II
HIS	1111	(3)	U.S. to 1877, or placement in HIS 1113 Honors U.S. to 1877
HIS	1112	(3)	U.S. since 1877, or placement in HIS 1114 Honors U.S. since 1877
HIS	1122*	(3)	World History to 1500
HIS	1123*	(3)	World History from 1500

Select nine hours from the following:

ANT	2200*	(3)	Anthropology
ECO	2251*	(3)	Principles of Macroeconomics
ECO	2252*	(3)	Principles of Microeconomics
GEO	2210*	(3)	World Regional Geography
HIS	1101	(3)	Western Civilization I, or placement in HIS 1103 Honors Western Civilization I
HIS	1102	(3)	Western Civilization II, or placement in HIS 1104 Honors Western Civilization II
HIS	1111	(3)	U.S. to 1877, or placement in HIS 1113 Honors U.S. to 1877
HIS	1112	(3)	U.S. since 1877, or placement in HIS 1114 Honors U.S. since 1877
HIS	1122*	(3)	World History to 1500
HIS	1123*	(3)	World History from 1500
IDS	2200	(3)	Crossroads: Sophomore Interdisciplinary Seminar in Creative Thinking
LDR	1100	(3)	Introduction to Leadership
POL	2260*	(3)	World Politics
POL	2241	(3)	American National Government, or placement in POL 2240 Honors American National Govt.
PSY	2200	(3)	General Psychology, or placement in PSY 2201 Honors General Psychology
PSY	2210	(3)	Developmental Psychology
SOC	2275	(3)	Introduction to Sociology

Area V (18-22 hours)

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.

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 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 3.3 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 seven honors versions of general studies courses distributed over at least four departments. 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 5 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 seven courses over four discipline requirement.

II. Foreign Language Courses

The University Honors Scholar must take six hours of one foreign language (classical or modern) depending upon demonstration of proficiency. The student may take an additional language course, in addition to the six-hour requirement, to suffice as one of the seven courses and one of the general studies requirement mentioned above in Section I.

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 discipline 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.

IV. University Honors Courses

The program of interdisciplinary studies with the PEAK Pro-

gram (Promoting Excellence and Knowledge) begins in the fall semester of the freshman or sophomore year, continues throughout the sophomore and junior years, and culminates in the fourth year with the University Honors Capstone Seminar. The student takes four interdisciplinary seminars. HON 1101 is taken in the freshman year, HON 2200 and 3300 may be taken in the sophomore and/or junior year, and HON 4400 may be taken in the junior or senior year. Transfer students may enter the program with permission of the honors director.

First Year, PEAK Program (one semester)

University Honors candidates will be notified of acceptance into the University Honors Program in the spring semester. Candidates must maintain a minimum grade point average of 3.25 and complete HON 1101 in order to qualify for the spring induction of Honors Scholars. Students are encouraged to take an honors version of general studies or other courses previously mentioned to satisfy the seven courses over four discipline requirement. All honors students must meet with the director of the University Honors Program each semester for advising.

Subsequent years:

HON 2200	(3)	University Honors Special Topics: Interdisciplinary I
HON 3300	(3)	University Honors Special Topics: Interdisciplinary II
HON 4400	(3)	University Honors Capstone Seminar

HONORS GENERAL STUDIES COURSES

ECO 2253	(3)	Honors Macroeconomics
ECO 2254	(3)	Honors Microeconomics
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
MUS 1132	(2)	Honors Music Appreciation
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).

MINOR IN CIVIC AND COMMUNITY ENGAGEMENT (18 HOURS)

IDS 1101 (3)	Citizenship to Address Global Changes	After completion of IDS 2201, students will select an additional 9 hours in a content area of focus and take advisor approved electives in Context, Public Issues, and Skills and Tools. See advisor in Office of Service Learning and Civic Engagement in Eldridge Hall 122 for approved courses.
IDS 2201 (3)	Applications in Civic Engagement	
IDS 4495 (3)	Capstone Internship in Public Service and Civic Engagement	

ENGLISH AS A SECOND LANGUAGE PROGRAM

Troy University's English as a Second Language program offers intensive English language instruction for non-native speakers. This program addresses the needs of students who plan to pursue further university study in the United States or who wish to sharpen their language skills for personal or professional reasons. In addition to improving listening, speaking, reading, and writing ability, ESL classes also increase students' understanding of American culture and university life. Level I - V courses are offered for institutional credit; up to six credits of level VI courses can be used to fulfill the free elective course requirement towards an un-

dergraduate degree, pending evidence of proficiency. For further information contact the director of the English as a Second Language 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.

EXPERIENTIAL LEARNING CREDIT

CROSS DISCIPLINE COURSES (CDC)

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 undergraduate 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.

MILITARY ELECTIVES

Military electives may be taken from credit earned through the American Council on Education (ACE) recommendations, Community College of the Air Force (CCAF), or military credit from regionally accredited institutions. For additional information regarding the military science minor, please consult the index of this catalog.

PRE-PROFESSIONAL CAREERS

Students who are interested in preparing for careers in the professions will find many such opportunities at Troy University. Considered among the best available, Troy's pre-professional programs feature small classes, special academic advisers, free tutors, exceptional laboratory facilities and an outstanding and well qualified faculty.

Pre-law

Admission to accredited professional schools of law requires from three to four years of college preparatory work with preference given to applicants with the bachelor's degree. Law schools generally do not prescribe a particular major or course of undergraduate study as a prerequisite for admission. All such schools emphasize the important of excellence in whichever course of study is pursued. For students planning to enter the profession of law, it is recommended that a student pursue a bachelor's degree giving emphasis to such fields as English, history, political science, criminal justice, social science, speech communication or business. 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 from one to two years of pre-engineering and basic engineering course work at Troy University before transferring to a professional school. The choice of the professional school and the particular field of engineering will determine the appropriate time for transfer. Consequently, students are assigned pre-engineering academic advisers to assist them 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 medicine, dentistry, optometry or osteopathic medicine follow a program which leads to the bachelor of science or bachelor of arts degree. Because certain specific courses are required by medical, dental, optometry or osteopathic medicine schools, Troy provides pre-medicine and pre-dentistry advisers and the pre-professional student has the opportunity to consult with the major adviser throughout his/her undergraduate studies.

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 prepare you for careers in public and private sectors as well as post-graduate and professional schools. These programs emphasize the core values of a 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.

AIR FORCE ROTC/AEROSPACE STUDIES MINOR (18 HOURS)

AS 3312	(3)	Air Force Leadership Studies I
AS L312	(1)	Leadership Laboratory
AS 3313	(3)	Air Force Leadership Studies II
AS L313	(1)	Leadership Laboratory
AS 4412	(3)	National Security Affairs/Preparation for Active Duty I
AS L412	(1)	Leadership Laboratory I
AS 4413	(3)	National Security Affairs/Preparation for Active Duty II
AS L413	(1)	Leadership Laboratory 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.

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 3340	(3)	Language in Culture and Society
ANT 4499	(3)	Anthropology Theory
SS 3376	(3)	Application of Social Scientific Inquiry

Select at least 18 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.

ARCHIVAL STUDIES MINOR (18 HOURS)

HIS 3360	(3)	Introduction to Archives: Theory and Issues
HIS 3362	(3)	Archival Methods and Practice
HIS 4472	(3)	Records Management
HIS 4473	(3)	Archives Practicum

Select two courses from the following, including at least one at the 4000 level:

GEO/HIS 3316	(3)	History of Alabama
GEO/SOC4406	(3)	Urbanism
HIS 4405	(3)	Old South
HIS 4406	(3)	New South
HIS/POL 4441	(3)	American Constitutional Development
HIS 4470	(3)	Oral History
HIS 4471	(3)	Local History
MGT 4474	(3)	Business and Society
POL 4421	(3)	Introduction to Public Administration
SOC 4433	(3)	The Community
SOC 4435	(3)	The Sociology of Organizations

AVIATION OPERATIONS MINOR (18 HOURS)

Course Requirements:

Choose one (1) emphasis

Helicopter Flight Training Emphasis (18 hrs):

Required Courses:

AFT L214	(2)	Helicopter Private Pilot I Lab
AFT L216	(2)	Helicopter Private Pilot II Lab
AFT L218	(3)	Helicopter Commercial Pilot I Lab
AFT L220	(3)	Helicopter Commercial Pilot II Lab
AFT L222	(2)	Helicopter Certified Flight Instructor (CFI) Pilot Lab
AFT L224	(2)	Helicopter Instrument Pilot Lab
AFT L226	(1)	Helicopter Certified Flight Instructor (CFII) Pilot Lab

Choose 3 semester hours from the following courses:

AFT L228	(1)	Helicopter R22 Transition Currency Pilot Lab
AFT L230	(1)	Helicopter R44 Transition Currency Pilot Lab
AFT L232	(1)	Helicopter R66 Turbine Transition Currency Pilot Lab
AFT L234	(1)	Helicopter Bell407 Turbine Transition Currency Pilot Lab
AFT L236	(1)	Helicopter Night Vision Goggle Flight Lab
AFT L238	(1)	Helicopter External Load Flight Lab
AFT L240	(1)	Helicopter Mountain Operations Flight Lab Airplane Flight

Airplane Flight Training Emphasis (18 hrs)

Required Courses:

AFT L250	(2)	Airplane Private Pilot Lab I
AFT L252	(2)	Airplane Private Pilot Lab II Fixed Wing

AFT L254	(3)	Airplane Instrument Pilot Lab
AFT L256	(3)	Airplane Commercial Pilot I Lab
AFT L258	(2)	Airplane Commercial Pilot II Lab
AFT L260	(2)	Airplane Instrument Pilot Lab
AFT L262	(1)	Airplane Certified Flight Instructor (CFII) Pilot Lab

Choose 3 semester hours from the following courses:

AFT 2270	(2)	Commercial Multi-Engine Airplane ADD-On
AFT 2272	(2)	Commercial Single Engine Land Airplane ADD-On
AFT 2274	(1)	Certified Flight Instructor Multi-Engine Airplane
AFT 2276	(1)	CFI Single Engine Land Airplane ADD-On

Unmanned Aerial Systems Emphasis (18 hrs):

Required Courses:

AFT 2200	(3)	Unmanned Aerial Systems Overview
AFT 2202	(3)	Principles of UAS Design
AFT 2204	(3)	Principles of UAS Sensors & Sensing Systems
AFT 2206	(3)	Human Factors I UAS Operations & Accidents
AFT 2208	(3)	Legal & Ethical Considerations for UAS Operations

Select 3 semester hours from the following:

AFT 2210	(3)	UAS Real World Applications
AFT 2212	(3)	UAS Piloting Familiarization

BACHELOR OF APPLIED SCIENCE: RESOURCE AND TECHNOLOGY MANAGEMENT MAJOR (36 HOURS)

Area III Requirements

SCI 2233	(3)	Physical Science
SCI L233	(1)	Physical Science Lab

Area IV Requirements

ECO 2251	(3)	Principles of Macroeconomics
ECO 2252	(3)	Principles of Microeconomics

Area V Requirements (24 hours)

TROY 1101	(1)	University Orientation
IS 2241	(3)	Computer Concepts & Applications
GEO 2210	(3)	World Regional Geography
POL 2260	(3)	World Politics
PSY 2200	(3)	General Psychology
SOC 2275	(3)	Introduction to Sociology
SCI 2234	(3)	Earth and Space Science
SCI L234	(1)	Earth and Space Science Lab

Electives (4 hours)

Resource & Technology Management Major (36 hours)

Required Core courses (18 hours)

BIO 4465	(3)	Occupational Safety and Health
MKT 3300	(3)	Principles of Marketing
MGT 3300	(3)	Principles of Management
SCI 3365	(3)	Principles of Applied Science
SOC 3370	(3)	Society and Environment
SS 3375	(3)	Introduction To Social Science Inquiry

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

BIO 4460	(3)	Critical Issues of Environmental Mgmt.
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CJ 3335	(3)	Private & Public Security Administration
CS 3310	(3)	Foundations of Computer Science
PSY 4410	(3)	Business and Industrial Science
SCI 3366	(3)	Survey of Electronic Technology
SCI 3370	(3)	Toxic, Radioactive, & Hazardous Material
SCI 4450	(3)	Science in a Regulatory Environment
SOC 3310	(3)	Minorities in U.S. Social Structure

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.

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 (43 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
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
MTH 2210	(3)	Applied 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 3326	(3)	Plant Diversity
BIO L326	(1)	Plant Diversity 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 3308	(3)	Vertebrate Zoology
BIO L308	(1)	Vertebrate Zoology Lab
BIO 4405	(3)	Entomology
BIO L405	(1)	Entomology Lab
BIO 4420	(4)	Field Vertebrate Zoology
BIO 4432	(3)	Comparative Vertebrate Anatomy
BIO L432	(1)	Comparative Vertebrate Anatomy Lab
BIO 4445	(3)	Ichthyology
BIO L445	(1)	Ichthyology Lab
BIO 4446	(3)	Herpetology
BIO L446	(1)	Herpetology Lab
BIO 4447	(3)	Ornithology
BIO L447	(1)	Ornithology Lab
BIO 4448	(3)	Mammalogy
BIO L448	(1)	Mammalogy Lab
BIO 4471	(3)	Parasitology
BIO L471	(1)	Parasitology Lab

Complete one ecology/environmental course with its corresponding lab:

BIO 2202	(3)	Principles of Environmental Science
BIO L202	(1)	Principles of Environmental Science 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 4430	(3)	Applied Genetics
BIO L430	(1)	Applied Genetics Lab
BIO 4433	(3)	Embryology
BIO L433	(1)	Embryology Lab
BIO 4451	(3)	Toxicology
BIO L451	(1)	Toxicology Lab
BIO 4478	(3)	Cell Biology
BIO L478	(1)	Cell Biology 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 2202/	(3)	Principles of Environmental Science
BIO L202	(1)	Principles of Environmental Science Lab
OR		
BIO 2229	(3)	General Ecology
BIO L229	(1)	General Ecology 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

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

BIOLOGY PROGRAM (55 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
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
MTH 2210	(3)	Applied Statistics

Complete one of the five concentrations shown below (biomedical sciences, food safety, general biology, ecology and field biology, or medical technology):

Biomedical Sciences Concentration:

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 4482	(3)	Molecular Biology
BIO L482	(1)	Molecular Biology Lab

Complete 16 hours from the courses listed below. One upper level botany, ecology/environmental or zoology course with its corresponding lab may be used towards this requirement. The 16 hours chosen should be based on the student's future plans for employment, graduate school or professional school.

BIO 3340	(3)	Evolution
BIO 3382	(3)	Immunology

BIO L382	(1)	Immunology Lab
BIO 4414	(3)	Food Microbiology
BIO L414	(1)	Food Microbiology Lab
BIO 4416	(3)	Microbial Ecology
BIO L416	(1)	Microbial Ecology Lab
BIO 4430	(3)	Applied Genetics
BIO L430	(1)	Applied Genetics Lab
BIO 4451	(3)	Toxicology
BIO L451	(1)	Toxicology Lab
BIO 4471	(3)	Parasitology
BIO L471	(1)	Parasitology Lab
BIO 4480	(3)	Histology
BIO L480	(1)	Histology Lab
BIO 4476	(1-3)	Special Topics in Biology
BIO 4488/ 4489/4490	(1-3)	Internship in Biological or Environmental Science
BIO 4491/92	(1-3)	Guided Independent Research
BIO 4494/94	(1-3)	Guided Independent Study
CHM 3352	(3)	Biochemistry
CHM L352	(1)	Biochemistry Lab

Food Safety Concentration:

BIO 3372	(3)	Microbiology
BIO L372	(1)	Microbiology Lab
BIO 4414	(3)	Food Microbiology
BIO L414	(1)	Food Microbiology Lab
BIO 4451	(3)	Toxicology
BIO L451	(1)	Toxicology Lab
BIO 4418	(3)	Food Laws and Regulations
CHM 3352	(3)	Biochemistry
CHM L352	(1)	Biochemistry Lab
HSTM 4466	(3)	Restaurant Management
NSG 2211	(3)	Human Nutrition

Complete seven or more hours from the courses listed below. Lectures and their corresponding labs must be taken together.

BIO 3340	(3)	Evolution
BIO 3382	(3)	Immunology
BIO L382	(1)	Immunology Lab
BIO 4416	(3)	Microbial Ecology
BIO L416	(1)	Microbial Ecology Lab
BIO 4471	(3)	Parasitology
BIO L471	(1)	Parasitology Lab
BIO 4476	(1-3)	Special Topics in Biology*
BIO 4482	(3)	Molecular Biology
BIO L482	(1)	Molecular Biology Lab
BIO 4488/ 4489/4490	(1-8)	Internship in the Biological or Environmental Sciences
BIO 4491/92	(3)	Guided Independent Research
BIO 4493/94	(3)	Guided Independent Study*
CHM 4455	(3)	Instrumental Analysis
CHM L455	(1)	Instrumental Analysis Lab
HSTM 3372	(3)	Hospitality Management
HSTM 4465	(3)	Food and Beverage Service

General Biology Concentration:

Complete one botany course with its corresponding lab:

BIO 3325	(3)	Plant Form and Function
BIO L325	(1)	Plant Form and Function Lab
BIO 3326	(3)	Plant Diversity
BIO L326	(1)	Plant Diversity Lab
BIO 4402	(4)	Spring Flora
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 3308	(3)	Vertebrate Zoology
BIO L308	(1)	Vertebrate Zoology Lab
BIO 4405	(3)	Entomology
BIO L405	(1)	Entomology Lab
BIO 4420	(4)	Field Vertebrate Zoology
BIO 4432	(3)	Comparative Vertebrate Anatomy
BIO L432	(1)	Comparative Vertebrate Anatomy Lab

BIO 4445	(3)	Ichthyology
BIO L445	(1)	Ichthyology Lab
BIO 4446	(3)	Herpetology
BIO L446	(1)	Herpetology Lab
BIO 4447	(3)	Ornithology
BIO L447	(1)	Ornithology Lab
BIO 4448	(3)	Mammalogy
BIO L448	(1)	Mammalogy 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 4430	(3)	Applied Genetics
BIO L430	(1)	Applied Genetics Lab
BIO 4433	(3)	Embryology
BIO L433	(1)	Embryology 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 16 additional semester hours of BIO or MB courses. The 16 hours chosen should be based on the student's future plans for employment, graduate school or professional school.

Ecology and Field Biology Concentration:

BIO 4420	(4)	Field Vertebrate Zoology
BIO 4421	(3)	Population Ecology
BIO L421	(1)	Population Ecology Lab
BIO 4425	(4)	Field Botany

Complete 12 hours (three courses with labs) from the three categories below. At least one course must be taken from each of the three categories.

Zoology:

BIO 3307	(3)	Invertebrate Zoology
BIO L307	(1)	Invertebrate Zoology Lab
BIO 4405	(2)	Entomology
BIO L405	(2)	Entomology Lab

Botany:

BIO 3325	(3)	Plant Form and Function
BIO L325	(1)	Plant Form and Function Lab
BIO 3326	(3)	Plant Diversity
BIO L326	(1)	Plant Diversity Lab

Ecology:

BIO 4413	(3)	Limnology
BIO L413	(1)	Limnology Lab
BIO 4479	(3)	Environmental Assessment
BIO L479	(1)	Environmental Assessment Lab

Complete an additional eight hours of adviser-approved BIO or MB courses.

Medical Laboratory Science Concentration

Students must complete 29 semester hours on the Troy Campus prior to applying for an internship.

Lectures and their corresponding labs must be taken together.

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

Complete one course with its corresponding lab:

BIO 3386	(3)	Hematology
BIO L386	(1)	Hematology Lab
BIO 4471	(3)	Parasitology
BIO L471	(1)	Parasitology Lab

In addition to the above courses, including core courses, students must complete 33 semester hours of hospital internship MLS 4400-4413 courses.

BIOLOGY, PRE-PROFESSIONAL MAJOR (55 HOURS)

Specialized General Studies Requirements

Area III (12 Hours)

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 (20 Hours)

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

Complete 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

Requirements for the major

Lectures and their corresponding labs must be taken together.

BIO 2200	(3)	Principles of Cell Biology
BIO L200	(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
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
MTH 2210	(3)	Applied Statistics

Select 32 semester hours from the courses listed below:

BIO 3347	(3)	Human Anatomy & Physiology I
BIO L347	(1)	Human Anatomy & Physiology I Lab
BIO 3348	(3)	Human Anatomy & Physiology II
BIO L348	(1)	Human Anatomy & Physiology II 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 4430	(3)	Applied Genetics
BIO L430	(1)	Applied Genetics Lab
BIO 4432	(3)	Comparative Vertebrate Anatomy
BIO L432	(1)	Comparative Vertebrate Anatomy Lab
BIO 4433	(3)	Embryology
BIO L433	(1)	Embryology Lab
BIO 4451	(3)	Toxicology
BIO L451	(1)	Toxicology Lab
BIO 4471	(3)	Parasitology
BIO L471	(1)	Parasitology Lab
BIO 4478	(3)	Cell Biology
BIO L478	(1)	Cell Biology Lab
BIO 4480	(3)	Histology
BIO L480	(1)	Histology Lab
BIO 4482	(3)	Molecular Biology
BIO L482	(1)	Molecular Biology Lab
BIO 4485	(1-2)	Principles & Methods for the Lab Assistant
CHM 3352	(3)	Biochemistry
CHM L352	(1)	Biochemistry Lab

Electives

BIO 3372	(3)	Microbiology
BIO L372	(1)	Microbiology Lab
BIO 4416	(3)	Microbial Ecology
BIO L416	(1)	Microbial Ecology Lab
BIO 4448	(3)	Mammalogy
BIO L448	(1)	Mammalogy Lab
BIO 4476	(1-4)	Special Topics in Biology
BIO 4491-92	(1-3)	Guided Independent Research
BIO 4493-94	(1-3)	Guided Independent Study

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 (36 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 Core (36 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 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
CHM 4403	(3)	Advanced Organic Chemistry
CHM L444	(1)	Advanced Inorganic Chemistry Lab
CHM 4491/2	(1-3)	Guided Independent Research
CHM 4493/4	(1-3)	Guided Independent Study
CHM 4499	(1)	Senior Research Seminar
MTH 2210	(3)	Applied Statistics

Students must select an 18 semester hour minor

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

Note: The chemistry minor requires 20 hours in addition to the hours required for a major in another discipline. For example, the biology major requires Organic Chemistry II and lab, so a student majoring in biology would need to select eight, not four, additional hours of advanced chemistry courses.

COMPREHENSIVE GENERAL SCIENCE PROGRAM (64 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
BIO L347	(1)	Human Anatomy & Physiology 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
MTH 2210	(3)	Applied 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)	Optics
PHY L359	(1)	Optics Lab
PHY 4420	(3)	Mechanics

11 hours of free electives

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
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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

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

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
MTH 2210	(3)	Applied 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 Object-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

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

Specialized General Studies Requirements**Area III**

MTH 2201 (3) Business Calculus

*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

COMPUTER SCIENCE A.S. DEGREE (60 HOURS)

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 (2) Visual Arts

DRA 2200 (2) Introduction to Drama

MUS 1131 (2) Music Appreciation

Area III

MTH 1125 (4) Calculus I

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 10 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.

CJ 1101 (3) Introduction to Criminal Justice

CJ 2221 (3) Survey of Law Enforcement

CJ 2231 (3) Survey of Corrections

CJ 2241 (3) Survey of Law and Criminal Procedure

CJ 3345 (3) Criminology

CJ 3352 (3) Constitutional Law

CJ 3375 (3) Introduction to Social Scientific Inquiry

CJ 4499 (3) Senior Seminar

*Select A or B below:*A. *12 additional hours of upper-level (3000-4000) criminal justice courses, as approved by the adviser for the major,***OR**B. *Homeland Security Concentration. Select 12 additional hours from the following as approved by the adviser:*

CJ 3335 (3) Private and Public Security Administration

CJ 4435 (3) Grant Writing

CJ 4440 (3) Terrorism

CJ 4470 (3) Criminal Justice Issues in Homeland Security

CJ 4472 (3) Cyber Crime

CJ 4488 (3) Internship (limit 1)

POL 3364 (3) State and Local Politics

POL 4422 (3) Public Policy Making

CRIMINAL JUSTICE MINOR (18 HOURS)

CJ 1101 (3) Introduction to Criminal Justice

Select 15 additional hours of upper-level criminal justice courses as approved by the adviser.

**CYBER SECURITY MINOR/
CERTIFICATE (18 HOURS)**

Requirements for Minor (6)

CJ 4475	(3)	Seminar in Cyber Security
CS 3310	(3)	Foundations of Computer Science

Select 15 hours from the following. See Course Descriptions for pre-requisites and restrictions:

CJ 1101	(3)	Introduction to Criminal Justice
CJ 4473	(3)	Computer Forensics
CJ 4472	(3)	Cyber Crime
CS 3375	(3)	Foundations of Networking
OR		
CS 4445	(3)	Data Communication and Networking
CS 4449	(3)	Applied Networking
CS 3380	(3)	Cyber Security
OR		
CS 4451	(3)	Computer Security

Students may not receive academic credit for both CS 3375 and CS 4445, or CS 3380 and CS 4451.

A certificate in Cyber Security with the same requirements as the Cyber Security Minor is available. Computer Science majors should contact the Department of Computer Science for information about the certificate program. All other students interested in the certification program should contact the Department of Criminal Justice. Students seeking the certificate in Cyber Security must be admitted to Troy University.

EARTH AND SPACE STUDIES MINOR (18 HOURS)

SCI 3335	(3)	Physical Geology
SCI L335	(1)	Physical Geology Lab
SCI 3336	(3)	Astronomy
SCI 3340	(3)	Marine Science
SCI L340	(1)	Marine Science Lab
SCI 3350	(3)	Weather and Climate
SCI L350	(1)	Weather and Science Lab
SCI 4403	(3)	Conservation

ECONOMICS MAJOR (36 HOURS)

The following courses must be completed with a "C" or better within Area V of the General Studies.

Area V:

ECO 2251	(3)	Principles of Macroeconomics
ECO 2252	(3)	Principles of Microeconomics
MTH 2201	(3)	Business Calculus
SS 3375	(3)	Introduction to Social Science Inquiry
SS 3376	(3)	Application of Social Science Inquiry

Requirement for the Major

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

Select 30 hours of approved 3000/4000 level Economics courses.

ENVIRONMENTAL SCIENCE MINOR (18-20 HOURS)

BIO 2202	(3)	Principles of Environmental Science
BIO L202	(1)	Principles of Environmental Science Lab
BIO 3328	(3)	Environmental Pollution and Control
BIO L328	(1)	Environmental Pollution and Control Lab

Complete 12 hours from the following:

BIO 4451	(3)	Toxicology
BIO L451	(1)	Toxicology Lab
BIO 4452	(3)	Industrial Hygiene
BIO L452	(1)	Industrial Hygiene Lab
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

ENVIRONMENTAL SCIENCE PROGRAM (55 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

Program 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
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
MTH 2210	(3)	Applied Statistics

Environmental Science Core (32 semester hours)

BIO 2202	(3)	Principles of Environmental Science
BIO L202	(1)	Principles of Environmental Science 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 4451	(3)	Toxicology
BIO L451	(1)	Toxicology Lab
BIO 4452	(3)	Industrial Hygiene
BIO L452	(1)	Industrial Hygiene Lab
BIO 4479	(3)	Environmental Assessment
BIO L479	(1)	Environmental Assessment Lab

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

BIO 4488/4489/4490 (1-8) Internship in Environmental Science

GENERAL EDUCATION A.A. DEGREE (60 HOURS)

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	(2)	Visual Arts
DRA 2200	(2)	Introduction to Drama
MUS 1131	(2)	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 any minor or area of concentration.

Select additional free electives to complete a total of 60 hours.

GENERAL EDUCATION A.S. DEGREE (60 HOURS)

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	(2)	Visual Arts
DRA 2200	(2)	Introduction to Drama
MUS 1131	(2)	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 any minor or area of concentration.

Select additional free electives to complete a total of 60 hours.

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

GEM 3390	(3)	Introduction to GIS
GEM L390	(1)	Introduction to GIS Lab
GEM 3391	(3)	Applications of GIS
GEM L391	(1)	Applications of GIS Lab
GEM 4499	(2)	Geomatics/GIS Projects

With adviser approval, select a minimum of eight credit hours from one of the four bundles:

• **Data Collection/Analysis**

GEM 2200	(3)	Basics of Cartography & Surveying
GEM L220	(1)	Basics of Cartography & Surveying Lab
GEM 3330	(3)	Advanced Measurement Analysis
GEM L330	(1)	Advanced Measurement Analysis Lab
GEM L371	(1)	Measurement for GIS Lab

• **Image Processing**

GEM 1100	(1)	Computer-Aided Drafting
GEM L110	(2)	Computer-Aided Drafting Lab
GEM 3366	(3)	Photogrammetry and Remote Sensing
GEM L366	(1)	Photogrammetry and Remote Sensing Lab
GEM L367	(1)	Digital Images in GIS Lab

• **Customizing the ArcView GIS Interface**

CS 2255	(3)	Computer Science II
CS 3330	(3)	Data Structures and Algorithms
CS 3360	(3)	Concepts of Object Oriented Programming I

• **GIS Database Development**

CS 2255	(3)	Computer Science II
CS 3323	(3)	Data Structures
CS 4420	(3)	Introduction to Database Systems

GEOGRAPHY MINOR (18 HOURS)

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.

HISTORY EDUCATION (36 HOURS)

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.

HISTORY MAJOR (36 HOURS)

History Majors/Minors will receive credit for no more than six hours of 3000-level and 4000-level history courses taken before or concurrently with HIS 3375.

Select one emphasis below:

American/Latin American Emphasis:

Specialized General Studies Requirements

Area IV

Select a six hour sequence in Western Civilization or World History. Select additional Area IV courses as specified in the General Studies section of this catalog.

Area V Requirements

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

Public History 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

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 4425	(3)	Principles of Public History
HIS 4470	(3)	Local History
HIS 4471	(3)	Oral History
HIS 4490	(3)	Senior Seminar
HIS 4499	(3)	Internship in History (90 contact hours)
PHI 2204	(3)	Ethics and the Modern World

Select 9 hours of approved upper-level history courses in any emphasis.

Select 6 hours from the courses listed below:

ANT 3330	(3)	Historical Archaeology
ART 2250	(3)	Survey of Art History I
ART 2251	(3)	Survey of Art History II
CJ 4435	(3)	Grant Writing
GEO 4403	(3)	Conservation
GEO 4406	(3)	Urbanism
GEO 4408	(3)	Rural America: Past & Present
HIS 3360	(3)	Introduction to Archives: Theories and Issues
HIS 3362	(3)	Archival Methods and Practices
HIS 4450	(3)	Environmental History of The United States
MGT 3371	(3)	Principles of Management
MGT 4475	(3)	Small Business Management
POL 4421	(3)	Introduction to Public Administration

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
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Select 15 hours of upper-level history courses.

Note: HIS 1111 and HIS 1112 are prerequisites for upper-level

American history courses and must be taken if they have not been taken for general studies.

Note: HIS 1101 and HIS 1102 are prerequisites for upper-level European history courses and must be taken if they have not been taken for general studies.

HOMELAND SECURITY MINOR (18 HOURS)

CJ 1101	(3)	Introduction to Criminal Justice
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Select 15 additional hours from the following as approved by the adviser:

CJ 3335	(3)	Private and Public Security Administration
CJ 4435	(3)	Grant Writing
CJ 4440	(3)	Terrorism
CJ 4470	(3)	Criminal Justice Issues in Homeland Security
CJ 4472	(3)	Cyber Crime
CJ 4488	(3)	Internship (limit one)
POL 3364	(3)	State and Local Politics
POL 4422	(3)	Public Policy Making

Note: This minor is not available to criminal justice majors.

HUMANITIES MINOR (18 HOURS)

ART 3302	(3)	History of the Arts
CLA 2260	(3)	Classical Mythology
CLA 2290	(3)	Classical Literature in English Translation
PHI 2203	(3)	Introduction to Philosophy
PHI 3301	(3)	Western Philosophy
ANT 2280	(3)	World Religions

LEADERSHIP DEVELOPMENT MINOR (18 HOURS)

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

Select at least an additional six hours from the following:

AS 3312	(3)	Air Force Leadership Studies I
AS 3313	(3)	Air Force Leadership Studies II
COM 3345	(3)	Group Discussion and Leadership
LDR 3310	(3)	Leadership and Interpersonal Skills
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

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

Elective Courses (9 hours)*Select any two (2) courses from the following:*

CJ 2241	(3)	Survey of Law and Criminal Procedure
CJ 4447	(3)	Current Issues in Legal Systems Operation and Administration
LAW 2221	(3)	Legal Environment of Business
POL 3342	(3)	Judicial Branch
POL 4472	(3)	Administrative Law
OR		
LAW 4420	(3)	Administrative Law

Select one (1) course from the following:

CJ 2241	(3)	Survey of Law and Criminal Procedure
CJ 3352	(3)	Constitutional Law in Criminal Justice
OR		
POL 4420	(3)	Constitutional Law
CJ 4442	(3)	Criminal Investigation and Evidence
CJ 4447	(3)	Current Issues in Legal Systems Operation and Administration
LAW 2221	(3)	Legal Environment of Business
POL 3342	(3)	Judicial Branch
POL 4472	(3)	Administrative Law
OR		
LAW 4420	(3)	Administrative Law

LIBERAL STUDIES PROGRAM (60 HOURS)

Area IV Requirements

POL 2241	(3)	American National Government
POL 2260	(3)	World Politics
SOC 2275	(3)	Introduction to Sociology

Area V Requirements

ANT 2200	(3)	Anthropology
ECO 2251	(3)	Principles of Macroeconomics
ECO 2252	(3)	Principles of Microeconomics
GEO 2210	(3)	World Regional Geography
PSY 2200	(3)	General Psychology

Required Liberal Studies Courses (30 hrs)

LST 3301	(3)	Methods in Critical Inquiry
LST 3310	(3)	Critical Theory
LST 4499	(3)	Senior Seminar in Liberal Studies

Select 21 hours from the following:

ANT 3310	(3)	Cultural Anthropology
ECO 4456	(3)	Economic Foundations in Capitalism
ENG 3305	(3)	Folklore/Mythology
ENG 4405	(3)	History of the English Language
GEO 3301	(3)	Principles of Cultural Geography
GEO 4402	(3)	Political Geography
HIS 3342	(3)	Renaissance and Reformation
POL 3300	(3)	Foundations of Political Science
POL 3330	(3)	Political Theory
PSY 3370	(3)	Comparative Psychology
PSY 3380	(3)	Social Psychology
SOC 3300	(3)	Social Institutions
SOC 3301	(3)	Social Change

Select at least six hours from each of the following for a total of 30 hours:**Societal Studies (select at least six hours):**

ANT 4410	(3)	High Civilizations of the Old World
ANT 4411	(3)	High Civilizations of the New World

ECO 4451	(3)	International Trade
HIS 3342	(3)	Renaissance and Reformation
HIS 3343	(3)	Age of Absolutism
HIS 3344	(3)	Age of Reason
POL 3360	(3)	Contemporary Political Thought
POL 4433	(3)	Comparative Government
SOC 3300	(3)	Social Institutions
SOC 3301	(3)	Social Change
SOC 4420	(3)	Sociological Theory
SOC 4435	(3)	The Sociology of Complex Societies

Behavioral Studies (select at least six hours):

ANT 3360	(3)	Magic, Witchcraft, and Religion
COM 3324	(3)	Gender Communications
POL 3351	(3)	International Relations
POL 4415	(3)	International Conflict
POL 4440	(3)	Political Sociology
POL 4460	(3)	Intercultural Relations
PSY 3304	(3)	Abnormal Psychology
PSY 3312	(3)	Psychology of Women
PSY 3370	(3)	Comparative Psychology
PSY 3380	(3)	Social Psychology
SOC 3332	(3)	Family Violence
SOC 4409	(3)	Political Sociology
SOC 4436	(3)	Social Evolution: Anarchy Democracy

Cognitive and Language Studies (select at least six hours):

ANT 3340	(3)	Language in Culture and Society
COM 3341	(3)	American Public Address
COM 3328	(3)	International/Intercultural Communications
ENG 3305	(3)	Folklore/Mythology
ENG 3320	(3)	Introduction to Linguistics
ENG 4405	(3)	History of the English Language
ENG 4433	(3)	Literary Criticism
PSY 4460	(3)	Cognitive Psychology

Global Studies (select at least six hours):

ANT 3310	(3)	Cultural Anthropology
ANT 3320	(3)	Prehistory of North American Indians
ANT 3321	(3)	North American Indians Since Contact
ANT 4410	(3)	High Civilizations of the Old World
ANT 4411	(3)	High Civilizations of the New World
ECO 4555	(3)	Comparative Economic Systems
ENG 4465	(3)	African American Literature
GEO 3301	(3)	Principles of Physical Geography
GEO 4402	(3)	Political Geography
POL 3351	(3)	International Relations
POL 4410	(3)	International Political Economy
POL 4431	(3)	Comparative Governments

MARINE BIOLOGY PROGRAM (55 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
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
MTH 2210	(3)	Applied Statistics

Troy University Courses:

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

Complete 12 additional semester hours of adviser-approved biology 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		
BIO 1100	(3)	Principles of Biology
BIO L100	(1)	Principles of Biology Lab

MTH 1125	(4)	Calculus I
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Select a four hour course/lab combination from the following:

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
SCI 2233	(3)	Physical Science
SCI L233	(1)	Physical Science Lab
SCI 2234	(3)	Earth and Space Science
SCI L234	(1)	Earth and Space Science Lab

Area V Requirements

TROY 1101	(1)	University Orientation
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:

MTH 4451	(3)	Mathematical Statistics I
MTH 4452	(3)	Mathematical Statistics II

Students selecting MTH 4451 and MTH 4452: select nine more hours of mathematics courses at the 3000 level and above (excluding MTH 4481).

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

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

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 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.

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 MINOR (19 HOURS)

MSL 3301	(3)	Leadership and Problem Solving
MSL 3302	(3)	Leadership and Ethics
MSL 3304	(1)	Leadership Lab
MSL 3305	(1)	Leadership Lab
MSL 4401	(3)	Leadership and Management
MSL 4402	(3)	Officership
MSL 4404	(1)	Leadership Lab
MSL 4405	(1)	Leadership Lab

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

PHYSICS MAJOR (36 HOURS)**Area V (23 Hours)**

TROY 1101	(1)	University Orientation
IS 2241	(3)	Computer Concepts & Applications
OR		
CS 2250	(3)	Computer Science I
MTH 1126	(4)	Calculus II
PHY 2262	(3)	Physics I w/Calculus
PHY L262	(1)	Physics I w/Calculus Lab

Select 11 hours of additional electives to complete Area V.

Required courses (26 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 3320	(3)	Mathematical Methods for Physicists
PHY 3321	(3)	Equations of Mathematical Physics
PHY 3325	(3)	Thermodynamics
PHY 4420	(3)	Mechanics
PHY 4435	(3)	Electricity & Magnetism
PHY 4445	(3)	Quantum Mechanics I

Select a minimum of 10 semester hours from the courses listed below:

PHY 3359	(3)	Optics
PHY L359	(1)	Optics Lab
PHY 4438	(3)	Electromagnetic Fields
PHY 4440	(3)	Dynamics of Particles & Systems
PHY 4446	(3)	Quantum Mechanics II
PHY 4460	(3)	Special Relativity
PHY 4470	(3)	Nuclear Physics
PHY 4475	(3)	Particle Physics
PHY 4478	(3)	Intro to General Relativity
PHY 4480	(3)	Black Holes & Cosmology
PHY 4482	(3)	Introduction to String Theory
PHY 4495	(3)	Topics in Physics
PHY 4491-92	(3)	Guided Independent Research
PHY 4493-94	(3)	Guided Independent Study
SCI 3336	(3)	Principles of Astronomy
SCI L336	(1)	Observational Astronomy Lab

Select any minor offered by Troy University (18 Hours)

PHYSICS MINOR (19 HOURS)

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 seven hours of adviser-approved, upper-level physics courses.

POLITICAL SCIENCE MAJOR (36 HOURS)**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.

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 adviser.

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.

SOCIAL SCIENCE EDUCATION

Students seeking Alabama teacher certification should complete the social science major with a general social science concentra-

tion 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.

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.

Requirements for the Major

SS 3375	(3)	Introduction to Social Scientific Inquiry
SS 3376	(3)	Statistical Application of Social Scientific Inquiry
SS 3377	(3)	Spatial Applications of Social Science Inquiry
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 from anthropology, economics, geography, history, political science, psychology or sociology (six hours may be used from ECO 2251, ECO 2252, GEO 2210, ANT 2200, POL 2260 [World Politics], or SOC 2280) in at least three disciplines.

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)	Social Change in the Information Age
SOC 3302	(3)	Small Groups

SOCIAL SCIENCE MINOR: GENERAL SOCIAL SCIENCE (18 HOURS)

SS 4498	(3)	Social Science Theory
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Select an additional 15 hours from at least three of the following: anthropology, economics, geography, history, political science, psychology, social science, or sociology. At least 12 hours must be 3000/4000 level.

SOCIOLOGY MAJOR (36 HOURS)

Area IV Requirements

SOC 2275	(3)	Introduction to Sociology
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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)	Introduction to Social Science Inquiry
SS 3376	(3)	Application of Social Scientific Inquiry
SS 4499	(3)	Senior Seminar

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

SOCIOLOGY MINOR (18 HOURS)

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

SURVEYING AND GEOMATICS SCIENCES PROGRAM (59 HOURS)

Area II Requirements:

ART 2201	(3)	Introductory Drawing
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Select one of the following courses:

DRA 2200	(2)	Introduction to Drama
MUS 1131	(2)	Music Appreciation

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

Area III Requirements

BIO 1100	(3)	Principles of Biology
BIO L100	(1)	Principles of Biology Lab
MTH 1125	(4)	Calculus I

Select a physics course/lab combination:

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

OR

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

Area IV Requirements

Standard list on page 43.

Area V Requirements

CS 2250	(3)	Computer Science I
IS 2241	(3)	Computer Concepts & Application
MTH 1126	(4)	Calculus II
MTH 2210	(3)	Applied Statistics
TROY 1101	(1)	University Orientation

Select a physics course/lab combination:

PHY 2253	(3)	General Physics II
PHY L253	(1)	General Physics II Laboratory

OR

PHY 2263	(3)	Physics II with Calculus
PHY L263	(1)	Physics II with Calculus Laboratory

Program Requirements

GEM 1100	(2)	Computer-Aided Drafting
GEM L110	(2)	Computer-Aided Drafting Lab
GEM 2220	(3)	Basics of Surveying
GEM L220	(1)	Basics of Surveying Lab
GEM 3309	(3)	Land Parcel Admin & Law
GEM L309	(1)	Land Parcel Admin & Law Lab
GEM 3310	(3)	Land Surveying Practice
GEM L310	(1)	Boundary Retracement Seminar

GEM 3330	(3)	Advanced Measurement Analysis
GEM L330	(1)	Advanced Measurement Analysis Lab
GEM 3366	(3)	Photogrammetry and Remote Sensing
GEM L366	(1)	Photogrammetry and Remote Sensing Lab
GEM 3370	(3)	Geodesy & Geodetics
GEM L370	(1)	Geodesy & Geodetics Lab
GEM 3379	(3)	Introduction to Least Squares Adjustment
GEM L379	(1)	Introduction to Least Squares Adjustment Lab
GEM 3390	(3)	Introduction to GIS
GEM L390	(1)	Introduction to GIS Lab
GEM 3391	(3)	Applications of GIS
GEM L391	(1)	Applications of GIS Lab
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 4409	(3)	Hydrology
GEM L409	(1)	Hydrology Lab
GEM 4410	(3)	Introduction to Global Positions
GEM L410	(1)	Introduction to Global Positions Lab
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

SORRELL COLLEGE OF BUSINESS

The Sorrell College of Business supports the Troy University mission by preparing our diverse student body to become ethical professionals equipped to compete in the global business environment. To achieve this our faculty, staff, and administration will:

1. provide quality education in global business through our undergraduate and graduate programs, delivered around the world through face-to-face and online environments, to traditional, non-traditional, military, and international students;
2. Contribute to the development and application of knowledge focused on applied business, learning, and pedagogical research;
3. Provide service to the University, business and professional organizations, and our communities through individual involvement, business outreach, and our centers for research.

Our students are currently employed in, or endeavor to be employed in, business, government, public accounting, the U.S. military, and not-for-profit organizations, both in the United States and the world over. Today many are, or intend to be, self-employed. Undergraduate students are prepared for admission to graduate programs in business, information systems, and professional schools of law. Sorrell College of Business students graduate with the knowledge and skills needed to communicate effectively, to make ethical and socially-responsible decisions, and to understand diverse and international cultures.

Sorrell College of Business faculty members are highly qualified and possess diverse academic and business backgrounds.

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

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 2201, IS 2241, ACT 2291, ACT 2292, ECO 2251, ECO 2252, QM 2241, LAW 2221, and all 2000-level courses in the major and minor. Students are allowed a maximum of three attempts at completing each of these courses with a grade of “C” or higher. After the third unsuccessful attempt they are dropped from consideration for the upper-level Business Program. 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 adviser’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 66 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 Division Business courses

Because our faculty members have “real-world” experience, course instruction focuses not only on vital concepts but also on practical application of these concepts.

All academic programs offered by the college assist students to develop the knowledge, skills, and attitudes necessary to understand and cope with the challenges faced by business and organizational leaders in a dynamic, global workplace. The curriculum is highly germane to the needs of students and the requirements of their employers. Combining the relevance of the curriculum with the fact that our faculty holds students to a high standard throughout their academic experience at Troy means that the academic programs offered through the Sorrell College of Business are designed to provide a firm foundation for professional business leaders who, upon graduation, will have the skills necessary to embark on, or change course in, successful careers in business, industry, and government.

As part of ongoing planning and evaluation, the Sorrell College of Business regularly evaluates student learning outcomes for each degree program.

ACCREDITATION

Troy University, through its Sorrell College of Business, is nationally accredited by the Association of Collegiate Business Schools and Programs (ACBSP) to offer baccalaureate degree programs in accounting, finance, general business, information systems, management, and marketing. The ACBSP has also accredited Troy to offer graduate business programs.

on schedule.

Upon completion of the last course of the 66-hour requirement, and with a GPA of 2.0 (2.3 for accounting majors), students may enroll in upper division 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 one-hour Innovative Practices/Thought Issues 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 66 hour requirement and have less than 15 hours (or less than 6 hours if on terms) remaining to meet the 66 hour requirement should contact the department of the major of interest. The Department Head/designate 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 Innovative Practices/Thought 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 “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 division 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 66 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 66-hours of the GBUS program, will not be allowed to take upper division 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 66-hour requirement and have less than 15 hours remaining to meet the 66 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 Innovative practices/Thought 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 division level courses until they meet the standards.

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.

Students are allowed a maximum of three attempts at completing each of the upper level business courses (above 3300) with 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 student 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 2201, completed with grades of "C" or better.

BUSINESS CORE (37 HOURS)

Entry-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

Upper-level Business Core (19 Hours)

BUS 3310	(1)	Innovative Practices and Thoughts
BUS 3382	(3)	Business Communications
BUS 4474	(3)	Business and Society
BUS 4476	(3)	Strategic Management
FIN 3331	(3)	Financial Management I
FIN 3332	(3)	Financial Management II
QM 3345	(3)	Operations Management

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)	International Trade
IS 3310	(3)	Global Electronic Business
MGT 3375	(3)	Global Human Resource Management
MGT 4471	(3)	Leadership/Change
MKT 4468	(3)	Global Marketing
MGT 4478	(3)	Managing in a Global Environment

Select one concentration from Entrepreneurship, Finance, General Business, Human Resource Management, Information Systems, Management, Marketing, or Risk Management/ Insurance.

ACCOUNTING MAJOR (37 HOURS)

B.S.B.A. in Business Administration degree with a major in accounting. Select a concentration in either Public Accounting or Forensic Accounting.

Major Requirements (25 hours)

ACT 3391	(3)	Intermediate Accounting I
ACT 3392	(3)	Intermediate Accounting II
ACT 3394	(3)	Governmental Accounting
ACT 3396	(3)	Accounting Information Systems
ACT 4435	(3)	International Accounting
ACT 4480	(1)	Professional Development
ACT 4494	(3)	Income Tax Accounting I
ACT 4497	(3)	Auditing
IS 3315	(3)	Computer Applications for Accountants

PUBLIC ACCOUNTING (12 HOURS)

ACT 3395	(3)	Managerial/Cost Accounting
ACT 4491	(3)	Advanced Accounting
ACT 4495	(3)	Income Tax Accounting II

And, Select one upper-level business elective.

FORENSIC ACCOUNTING (12 HOURS)

ACT 3355	(3)	Internal Auditing
ACT 4498	(3)	Fraud Examination
LAW 4420	(3)	Administrative Law
LAW 4425	(3)	Investigation and Evidence.

**FORENSIC ACCOUNTING
CERTIFICATE (12 HOURS)**

ACT 3355	(3)	Internal Auditing
ACT 4498	(3)	Fraud Examination
LAW 4420	(3)	Administrative Law
LAW 4425	(3)	Investigation and Evidence.

A certificate in Forensic Accounting is available. Students should contact the School of Accountancy for information about the certificate program. Students seeking the certificate in Forensic Accounting must successfully complete the requirements for admission to the upper-level Business Program for the accounting major (see B.S.B.A. Business Administration Degree Requirements) and must have successfully completed the following prerequisite classes: ACT 3391 Intermediate Accounting I, ACT 3392 Intermediate Accounting II, and ACT 4497 Auditing.

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 4451	(3)	International Trade
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 3334	(3)	Financial Statement Analysis
FIN 3336	(3)	Real Estate Finance I
FIN 4432	(3)	Investments
FIN 4435	(3)	Intl Banking and Finance
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)

ACT 3391	(3)	Intermediate Accounting
ECO 3353	(3)	Money and Banking
ECO 4451	(3)	International Trade
FIN 3336	(3)	Real Estate
FIN 4432	(3)	Investments
FIN 4437	(3)	Financial Institutions
FIN 4438	(3)	Bank Management

Electives

Select three upper-level FIN courses (9 Hours)

**ENTREPRENEURSHIP CONCENTRATION
(18 HOURS)****Required courses (12 Hours)**

FIN 3360	(3)	Entrepreneurial Finance
LAW 3323	(3)	Legal/Ethical Aspects of Entrepreneurs
MGT 4475	(3)	Entrepreneurial Management
MGT 4484	(3)	Entrepreneurial Strategy/Marketing

Electives

Select two from the following list (6 Hours)

ACT 3360	(3)	Entrepreneurial Accounting
ECO 3360	(3)	Entrepreneurial Economics
MGT 3380	(3)	Principles of Supervision
MKT 4463	(3)	Retailing

FINANCE CONCENTRATION (18 HOURS)**Required courses (12 Hours)**

FIN 4431	(3)	Intermediate Financial Management
FIN 4432	(3)	Investments
FIN 4435	(3)	International Finance
FIN 4437	(3)	Financial Institutions

Electives

Select two from the following list (6 Hours)

FIN 3334	(3)	Financial Statement Analysis
FIN 3337	(3)	Personal Financial Planning
FIN 4436	(3)	Security Analysis
RMI 3335	(3)	Principles of Risk Management Ins

**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 choose no more than three courses in a discipline.

**HUMAN RESOURCE MANAGEMENT
CONCENTRATION (18 HOURS)****Required courses (12 Hours)**

MGT 4455	(3)	Employment Law
MGT 4481	(3)	Staffing
MGT 4483	(3)	Human Resource Development

MGT 4485 (3) Performance Appraisal & Compensation

Electives

Select two from the following list (6 Hours)

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

**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

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

Electives

Select two from the following list (6 Hours)

MGT 4460 (3) Introduction to Project Management
 MGT 4480 (3) Technology/Innovation Management
 MGT 4481 (3) Staffing
 MGT 4483 (3) Human Resource Development

**MANAGERIAL ACCOUNTING
 CONCENTRATION (18 HOURS)**

ACT 3355 (3) Internal Auditing (Capstone)
 ACT 3365 (3) Corporate Financial Reporting
 ACT 3395 (3) Managerial/Cost Accounting I
 ACT 3396 (3) Accounting Information Systems
 ACT 4496 (3) Managerial/Cost Accounting II

Select one of the following courses:

ACT 3394 (3) Governmental Accounting
 ACT 4494 (3) Income Tax Accounting I
 FIN 3334 (3) Financial Statement Analysis

MARKETING CONCENTRATION (18 HOURS)

Required courses (12 Hours)

MKT 3364 (3) Services Marketing
 MKT 4462 (3) Consumer Behavior
 MKT 4464 (3) Marketing Research
 MKT 4469 (3) Marketing Management

Electives

Select two from the following list (6 Hours)

MKT 3362 (3) Advertising
 MKT 4461 (3) Personal Selling
 MKT 4463 (3) Retailing

MKT 4465 (3) Supply Chain Management

**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 two upper-level RMI courses from the following (6 Hours):

RMI 4465 (3) Insurance Law
 RMI 4467 (1) Advanced Topics in Risk Management Insurance
 RMI 4470 (1) Surplus Line Insurance Products
 RMI 4472 (1) Surplus Line Insurance Operations
 RMI 4475 (3) Advanced Topics in Life and Health
 RMI 4478 (3) Employee Benefit Planning

ECONOMICS MINOR (18 HOURS)

Required Courses (9 Hours)

ECO 2251 (3) Principles of Macroeconomics
 ECO 2252 (3) Principles of Microeconomics
 ECO 3351 (3) Intermediate Macroeconomics

OR

ECO 3352 (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) International Trade
 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 4449 (3) Economics Seminar

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) International Trade
 IS 3310 (3) Global Electronic Business
 MGT 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.

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)	Advertising
MKT 4461	(3)	Personal Selling

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 2201	(3)	Introductory Drawing
OR		
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 (30 Hours)

ART 2230	(3)	Color and Technology
ART 3308	(3)	<<dti>> Principles of Digital Design
ART 3310	(3)	<<dti>> Time/Sound
ART 3315	(3)	<<dti>> Design for the Internet
ART 3324	(3)	<<dti>> Paper/Screen
ART 3325	(3)	<<dti>> Typography
ART 3350	(3)	Research and Criticism
ART 3355	(3)	Graphic Design History
ART 4450	(3)	<<dti>> Design for the Internet II
ART 4424	(3)	<<dti>> Design Studio*

Select eight credit hours from the following courses or select other art electives recommended by your advisor.

ART 3326	(3)	<<dti>> Digital Illustration
ART 3340	(1)	Portfolio Design
ART 3342	(1)	The Business of Art/Design
ART 3360	(1)	Exhibition Techniques
ART 3375	(3)	Special Topics*
ART 3390	(1)	Seminar in Art/Design
ART 4424	(3)	<<dti>> Design Studio*
ART 4435	(3)	Collaborative Studio*
ART 4496	(3)	Internship*
ART 4499	(3)	Thesis Exhibition

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.

All students in the <dti>> program must take Senior Exhibition course either during the last semester or the semester before graduating. Senior 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**
- Journalism
- Literature/Writing
- Mass Communications
- Photography
- 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 9 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. Students will need to select six hours of upper level courses from two of these concentrations (for a total of 12 hours): 2D Studio, 3D Studio, and Photo Studio or 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: (9 hours)

ART 3301	(3)	Life Drawing*
-Or-		
ART 3318	(3)	Conceptual Drawing*
ART 3323	(3)	Modern and Contemporary Art History
ART 4435	(3)	Collaborative Studio*

(This course must be taken by all Art Majors after completing the 12-hour hour concentration.)

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)	<<dti>> Prin of Digital Design
ART 3326	(3)	<<dti>> Digital Illustration
ART 3350	(3)	Research and Criticism
ART 3375	(3)	Special Topics*
ART 3380	(3)	Travel Study in Art/Photography
ART 4496	(3)	Internship*

Select three (1) credit hours from the following course offerings:

ART 3340	(1)	Portfolio Design
ART 3342	(1)	The Business of Art/Design
ART 3360	(1)	Exhibition/Installation Design
ART 3390	(1)	Seminar in Art/Design

Select an additional six hours of art electives.

Any course with asterisk() can be repeated up to 9 credit hours.

ART MINOR (18 HOURS)

Select 18 hours of adviser-approved art and art history courses.

**ART, BACHELOR OF FINE ARTS
IN STUDIO (59 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 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 (33 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 2228	(3)	Photo Studio I
ART 2230	(3)	Color and Technology
ART 3308	(3)	<<dti>>Prin of Digital Design
ART 3301	(3)	Life Drawing
ART 3318	(3)	Conceptual Drawing
ART 3323	(3)	Modern and Contemporary Art History
ART 3350	(3)	Research and Criticism

Select one of the following concentration options:

2D Studio Concentration (15 hours)

ART 3330	(3)	2D Studio III
ART 4430	(3)	2D Studio IV
ART 4435	(3)	Collaborative Studio*
ART 4496	(3)	Internship*

Select additional three credit hours in an upper level art history

3D Studio Concentration (15 hours)

ART 3331	(3)	3D Studio III
ART 4431	(3)	3D Studio IV
ART 4435	(3)	Collaborative Studio*
ART 4496	(3)	Internship*

Select additional three credit hours in an upper level art history.

Photo Studio Concentration (18 hours)

ART 3328	(3)	Photo Studio II
ART 3348	(3)	Photo Studio III
ART 4428	(3)	Photo Studio IV
ART 4435	(3)	Collaborative Studio*
ART 4496	(3)	Internship*

Select an additional three (3) credit hours in an upper level art history.

Digital Studio Concentration (18 hours)

ART 3310	(3)	<<dti>>Time/Sound
ART 3324	(3)	<<dti>>Paper/Screen
ART 3325	(3)	<dti>>Typography
ART 3355	(3)	History of Graphic Design
ART 4424	(3)	Digital Studio*
ART 4496	(3)	Internship*

If you are concentrating in 2D or 3D you must select six credit hours of upper level ART courses (3000-4000). If you are concentrating in Photo Studio or Digital Studio you must select three credit hours of upper level ART courses (3000-4000).

Select two (1) credit hour courses from the following:

ART 3340	(1)	Portfolio Design
ART 3342	(1)	The Business of Art/Design
ART 3360	(1)	Exhibition Techniques
ART 3390	(1)	Seminar in Art/Design

ART 4499 (3) Thesis Exhibition
(All students in the BFA program must take Thesis Exhibition course either during the last semester or the semester before graduating. Senior Exhibition is not offered during the summer sessions.)

Any course with asterisk (*) can be repeated up to 9 credit hours.

BROADCAST JOURNALISM MAJOR (36 HOURS)

Contact the Hall School of Journalism and Communication for information regarding contract programs in public relations, sports information and advertising.

Area 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 3365 (3) TV Studio Techniques and Producing
 JRN 4425 (3) Media Law
 JRN 4440 (3) Advanced Technologies in Journalism
 JRN 4489 (5) Internship
 JRN 4495 (1) Communication Seminar

Select one:

JRN 4403 (3) Radio News Practicum
 JRN 4413 (3) TV News Practicum

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

COMMUNICATION ARTS MAJOR (36 HOURS)

Contact the Hall School of Journalism and Communication for information regarding the contract program in performance (speech/broadcast journalism.)

Tracks: Communication Studies and Theatre

Communication Studies Track

Area V Requirements

COM 1101 (3) Introduction to Communication
 COM 2251 (2) Voice and Diction
 JRN 1100 (3) Technologies in Journalism
 PRJ 2230 (3) Introduction to Public Relations
 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 3360 (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 from the following:

Upper level ADJ, COM, JRN, or PRJ courses.

Or other approved upper level course electives in journalism, theatre, music industry, art and design, or foreign languages.

Theatre Track

Specialized general studies requirements for the theatre track:

Area II

COM 2241 (3) Fundamentals of Speech
 DRA 2200 (2) Introduction to Drama
 ENG 2205 (3) World Literature before 1660
 ENG 2206 (3) World Literature after 1660

Select one:

ART 1133 (2) Visual Arts, or placement
 MUS 1131 (2) Music Appreciation, or placement

Area V Requirements (For nonteaching degrees)

DRA 2221 (2) Technical Theatre
 DRA 2251 (2) Voice and Diction
 IS 2241 (3) Computer Concepts and Apps.
 TROY 1101 (1) University Orientation
 DRA 2245 (1) Stagecraft Lab (repeated for a total of four hours)

Choose an additional seven hours of electives

Area V (For students selecting a second major in Interdisciplinary Education (P-12))

ART 3361 (3) Integrating Art into the Curriculum
 DRA 2211 (1) Theatre for Youth
 DRA 2221 (2) Technical Theatre
 DRA 2245 (4) Stagecraft Lab (1) Must be taken four times for a total of four hours.
 DRA 2251 (2) Voice and Diction
 IS 2241 (3) Computer Concepts and Applications
 MUS 3361 (3) Integrating Music into the Curriculum
 TROY 1101 (1) University Orientation

Required Courses (21 hours)

DRA 3301 (2) Acting I
 DRA 3302 (2) Costume Techniques
 DRA 3303 (1) Makeup Techniques
 DRA 3304 (1) Lighting Techniques
 DRA 3345 (1) Advanced Stagecraft Lab*
 DRA 3350 (2) Script Analysis
 DRA 4443 (3) Theatre History I
 DRA 4444 (3) Theatre History II
 DRA 4451 (3) Directing I
 DRA 4455 (2) Senior Theatre Capstone (non-teaching majors)
 DRA 4456 (2) Developing an Educational Theatre Program (Interdisciplinary Education majors (P-12))

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

A major may not register for Advanced Stagecraft Lab (DRA 3345) until four semesters of DRA 2245 have been completed. Transfer students are evaluated individually by the department. Those students should register for DRA 2245 and provide syllabi of requested transfer credit.

Following the completion of the DRA 2245 rotation, registration for DRA 3345 is encouraged of all majors every semester.

Elective Theatre Courses (15 hours)

Select one course from the following:

ART 2201	(3)	Drawing I
CLA 3350	(3)	Classical Drama
ENG 3315	(3)	Modern Drama
ENG 4430	(3)	Shakespeare I: The Tragedies
ENG 4431	(3)	Shakespeare II: The Comedies
ENG 4432	(3)	Shakespeare III: The Histories
JRN 1102	(3)	Writing for Mass Media
MUS 4455	(3)	Survey of the Broadway Musical

Select one of the following design courses:

DRA 3331	(3)	Costume Design
DRA 3321	(3)	Scene Design
DRA 3344	(3)	Lighting Design

Select the remaining nine hours from the following (design course selected above may not be counted again):

DRA 2211	(1)	Theatre for Youth*
DRA 3313	(2)	Creative Drama**
DRA 3315	(1)	Audition and Portfolio Techniques
DRA 3316	(3)	Acting II
DRA 3321	(3)	Scene Design
DRA 3326	(3)	Acting III
DRA 3330	(1-3)	Special Topics in Theatre
DRA 3331	(3)	Costume Design
DRA 3335	(3)	Movement I
DRA 3344	(3)	Lighting Design
DRA 3352	(2)	Sound Techniques
DRA 3354	(2)	Rendering Techniques for Theatre
DRA 3360	(3)	Playwriting
DRA 4441	(2)	Oral Interpretation
DRA 4452	(2)	Directing II

*One-hour courses that can be repeated for elective credit (DRA 2211 and DRA 3345) may only be counted once toward completion of the track.

**Students choosing the Interdisciplinary P-12 Theatre Education degree should choose these courses, and select education as their second major.

Students who choose the non-teaching theatre track should select an additional five hours to meet the 120 degree expectation.

COMMUNICATION STUDIES MINOR (18 HOURS)

Select 18 hours of adviser-approved speech 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 order to move to the next level and achieve the 3000 level with a minimum of 2 semesters in both contemporary and ballet. Techniques courses may be repeated.

Techniques courses:

DAN 1112	(2)	Contemporary Technique I
DAN 1115	(2)	Ballet Technique I
DAN 2212	(2)	Contemporary Technique II
DAN 2215	(2)	Ballet Technique II
DAN 3312	(2)	Contemporary Technique III
DAN 3315	(2)	Ballet Technique III
DAN 4412	(2)	Contemporary IV
DAN 4415	(2)	Ballet Technique IV

Complete the following advanced dance courses:

DAN 3300	(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:

DRA 3301	(2)	Acting I
DRA 3352	(2)	Sound Techniques
DRA 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 3000	(2)	Musical Theatre Dance I
DAN 3314	(2)	Pointe Ballet II
DRA 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 st century
DAN 1134	(1)	Ballroom Dance
DAN 1137	(1)	Tap I
DAN 2212	(2)	Contemporary Technique II or Placement
DAN 214	(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		Repertory Ensemble may only count twice towards the completion of the minor.

ENGLISH MAJOR (36 HOURS)**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
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, the following courses are required:

ENG 2260	(3)	Introduction to Technical & Professional Writing
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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

ENGLISH MINOR (18 HOURS)

ENG 3341	(3)	Advanced Grammar
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Select one sequence:

ENG 2211	(3)	American Literature before 1875
ENG 2212	(3)	American Literature after 1875

OR

ENG 2244	(3)	British Literature before 1785
ENG 2245	(3)	British Literature after 1785

Select an additional nine hours of upper division English courses.

ENG 3351	(3)	Introduction to Creative Writing
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ENGLISH MINOR, CREATIVE WRITING (18 HOURS)

Select an additional 15 hours from the following:

DRA 3360	(3)	Playwrighting
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 Internship
ENG 4489	(3)	Internship

ENGLISH MINOR, PROFESSIONAL WRITING EMPHASIS (18 HOURS)

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

ENGLISH—LANGUAGE ARTS PROGRAM (139 HOURS)

Students seeking Alabama teacher certification should complete the English major and the required courses for language arts, in addition to selecting education as a second major. Students should consult their advisers concerning all certification requirements.

Specialized General Studies Requirements

See the general studies section of this catalog for additional information.

Area II

COM 2241	(3)	Fundamentals of Speech
DRA 2200	(2)	Introduction to Drama
ENG 2205	(3)	World Literature before 1660
ENG 2206	(3)	World Literature after 1660

Select one of the following:

ART 1133	(2)	Visual Arts
MUS 1131	(2)	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
DRA 2211	(1)	Theatre for Youth
DRA 2245	(1)	Stagecraft Lab
DRA 3301	(2)	Acting I
DRA 4451	(3)	Directing I
ENG 3341	(3)	Advanced Grammar
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
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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.

MULTIMEDIA JOURNALISM MAJOR (36 HOURS)

Contact the Hall School of Journalism and Communication for information regarding contract programs in public relations, sports information and advertising.

Area V Requirements

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

Requirements for the major

JRN 2201	(3)	Reporting
JRN 2211	(3)	Editing
JRN 3312	(3)	Advanced Editing
JRN 3315	(3)	Advanced Reporting
COM 3320	(3)	Interviewing and Information
JRN 4425	(3)	Media Law
JRN 4440	(3)	Advanced Technologies in Journalism

JRN 4489	(5)	Internship
JRN 4495	(1)	Communication Seminar

Select an additional nine hours of additional 3000-4000 courses as approved by your faculty advisor: Advertisement, Communication, Journalism, or Public Relations or approved JRN elective.

FRENCH MINOR (18 HOURS)

Select 18 hours of French courses.

GRAPHIC DESIGN MINOR (18 HOURS)

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

ADVERTISING MEDIA MINOR (18 HOURS)

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

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

Advertisement, Communications, Journalism, or Public Relations courses.

CLASSICS MINOR (18 HOURS)

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)

MULTIMEDIA JOURNALISM, MINOR (18 HOURS)

JRN 1102	(3)	Mass Media Writing Style
JRN 2201	(3)	Reporting

Select 12 hours of upper level Advertising, Communication, Journalism or Public Relations.

PUBLIC INFORMATION MINOR (18 HOURS)

COM 3341	(3)	American Public Address
COM 3365	(3)	Fundamentals of Speechwriting
COM 4460	(3)	Crisis Communication
PRJ 2230	(3)	Introduction to Public Relations
PRJ 3321	(3)	Public Relations Cases and Strategies

Select at least 3 hours of additional 3000-4000 courses as approved by your faculty adviser: *Advertisement, 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 3000-4000 courses as approved by your faculty adviser: *Advertisement, Communications, Journalism, or Public Relations courses.*

LATIN MINOR (18 HOURS)

Select 18 hours of Latin courses.

MUSIC MAJOR (64-67 HOURS)

Specialized General Studies Requirements

Area II

Select the following course in lieu of MUS 1131:

MUS 2240	(2)	World Music Cultures
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Area V Requirements

Select the following course in lieu of IS 2241:

MUI 3305	(3)	Music Technologies
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Music core courses (38 hours)

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 22xx/ 44xx	(6)	Private Instruction
MUS 3306	(3)	Conducting
MUS 3330	(3)	Survey of Western Music History I
MUS 3331	(3)	Survey of Western Music History II
MUS 4461	(2)	Orchestration and Arranging

Take one of the following four times for four credit hours:

MUS 1181	(1)	Band
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OR

MUS 1183	(1)	Collegiate Singers
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Choral Emphasis Track

Students seeking Alabama teacher certification in choral music should select the music core and the choral emphasis track, in addition to selecting education as a second major. Students should consult with their advisers concerning all certification requirements.

MUS 1183	(1)	Collegiate Singers
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Repeat twice for three credits

MUS 2214	(1)	Private Piano
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OR

MUS 2216	(1)	Private Voice
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MUS 3340	(1)	Diction for Singers
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MUS 3341	(1)	Vocal Pedagogy
MUS 3350	(1)	Wind and Percussion Methods
MUS 3354	(1)	Class Strings
MUS 3382	(3)	Choral Techniques
MUS 4471	(3)	Music for ECE and Elementary School
MUS 4499	(1)	Senior Recital

Select two courses from the following:

MUS 1182	(1)	Choir
MUS 1191	(1)	Musical Theatre
MUS 1192	(1)	Madrigal Singers
MUS 3385	(1)	Symphony Band
MUS 3386	(1)	Jazz Ensemble
MUI 4410	(2)	Arts Management and Concert Prod
MUI 4420	(2)	Film Scoring
MUI 4460	(3)	Senior Practicum
MUI 4480	(1)	Seminar in Music Industry
MUI 4499	(9)	Music Industry Internship
MUS 2230	(3)	Survey Music Industry
MUS 3300	(2)	History of Jazz
MUS 4400	(1-3)	Selected Topics
MUS 4451	(3)	Lit/Tech of Musical Theatre
MUS 4452	(3)	Opera Literature
MUS 4455	(3)	Survey of Broadway Music
MUS 4470	(2)	Instrument Repair
MUS 4491/92	(1-3)	Guided Independent Research
MUS 4493/94	(1-3)	Guided Independent Study

NOTE: Studies in business are recommended to fulfill the requirements for the minor.

• **Instrumental Emphasis Track**

Students seeking Alabama teacher certification in instrumental music should select the music core and the choral emphasis track, in addition to selecting education as a second major. Students should consult with their advisers concerning all certification requirements.

MUS 1181	(1)	Band <i>Repeat twice for three credits</i>
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
MUS 4471	(3)	Music for ECE and Elementary School
MUS 4499	(1)	Senior Recital

Select two courses from the following:

MUS 1191	(1)	Musical Theatre
MUS 1182	(1)	Choir
MUS 1192	(1)	Madrigal Singers
MUS 3385	(1)	Symphony Band
MUS 3386	(1)	Jazz Ensemble

General Music/Music Industry Track

The following are required:

MUS 1181	(1)	Band <i>Repeat twice for three credits</i>
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OR

MUS 1183	(1)	Collegiate Singers <i>Repeat twice for three credits</i>
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MUS 4499	(1)	Senior Recital
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Select 26 hours of adviser-approved courses from the following:

MUI 3310	(3)	Audio Principles and Techniques
MUI 3315	(2)	Song Writing
MUI 3320	(2)	Grant Writing and Funding for the Musical Arts
MUI 3325	(2)	Recording Studio I
MUI 3326	(2)	Recording Studio 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 4440	(2)	Audio Principles and Techniques II
MUI 4460	(3)	Senior Practicum
MUI 4480	(1)	Seminar in Music Industry
MUI 4499	(9)	Music Industry Internship
MUS 2230	(3)	Survey Music Industry
MUS 3300	(2)	History of Jazz
MUS 4400	(1-3)	Selected Topics
MUS 4451	(3)	Lit/Tech of Musical Theatre
MUS 4452	(3)	Opera Literature
MUS 4455	(3)	Survey of Broadway Music
MUS 4470	(2)	Instrument Repair
MUS 4491/92	(1-3)	Guided Independent Research
MUS 4493/94	(1-3)	Guided Independent Study

NOTE: Studies in business are recommended to fulfill the requirements for the minor.

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 3306	(3)	Conducting
MUS 3330	(3)	Survey of Western Music History I
MUS 3331	(3)	Survey of Western Music History II

NOTE: Two hours of the above selection may be from the following ensemble courses: MUS 1181, 1182, 1183, 1191, 1192, 3385, 3386.

MUSIC INDUSTRY MINOR (18 HOURS)

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

MUS 2230	(3)	Survey of the Music Industry
MUS 3305	(3)	Music Technologies

Select 12 hours from the following courses with the approval of the Coordinator:

MUI 3315	(2)	Songwriting
MUI 4420	(2)	Film Scoring

MUI 4410	(2)	Art Management and Concert Production
MUI 4430	(2)	Marketing of Recorded Music
MUI 4435	(2)	Music Merchandising
MUI 3310	(3)	Audio Principles and Techniques I
MUI 4440	(3)	Audio Principles and Techniques II
MUS 4400	(2)	Selected Topics- Studio Production Techniques
MUS 4470	(2)	Instrument Repair (Studio Maintenance)
MUS 4400	(1-3)	Selected Topics
MUS 4491/4492	(1-3)	Guided Independent Research
MUS 4493/4494	(1-3)	Guided Independent Study

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 1141	(3)	Introductory Spanish I
SPN 1142	(3)	Introductory Spanish II
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 3351	(3)	Spanish Culture on Location II
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

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

Students seeking Alabama teacher certification in theatre should select the Communication Arts Major—Theatre Track as the first major and Interdisciplinary Education P-12 as the second major. Students should consult with their advisers concerning all certification requirements.

THEATRE MINOR (18 HOURS)

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

NOTE: A four-semester rotation of DRA 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 the College of Education is to prepare educators, counselors, ASL interpreters and other professionals to be informed, reflective, and innovative practitioners who are effectively trained to achieve the goals, competencies, and skills identified by their program's professional association.

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	Global Campus
Non-certification Programs					
Interpreter Training					
• Major (60 hours)				X	X
• Minor (18 hours)				X	X
Psychology					
• Comprehensive Program (54 hours)				X	
• Major (36 hours)	X	X	X	X	X
• Minor (18 hours)	X	X	X	X	X
Rehabilitation					
• Comprehensive Program (72 hours)				X	
• Major (54 hours)	X		X	X	
• Concentration	X		X	X	
Certification Programs					
Early Childhood Education (Grades P-3)	X				
Elementary Education (Grades K-6)	X		X	X	
Collaborative Teacher (Grades K-6)	X			X	
Collaborative Teacher (Grades 6-12)	X			X	
Secondary Education (Grades 6-12)					
• Biology	X			X	
• Chemistry	X			X	
• Health				X	
• History	X			X	
• English/Language Arts	X			X	
• General Science	X			X	
• Mathematics	X			X	
• Social Science	X			X	

UNDERGRADUATE EDUCATION PROGRAM AVAILABILITY

Interdisciplinary Education (Grades P-12)	Dothan	Montgomery	Phenix City	Troy	Global Campus
• Art				X	
• Music, Instrumental				X	
• Music, Choral				X	
• Physical Education				X	
• Theatre (Communication Arts Major—Theatre Track)				X	
• Physical Education				X	
• Theatre (Communication Arts Major—Theatre Track)				X	

NON-CERTIFICATION PROGRAMS

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.

INTERPRETER TRAINING PROGRAM**Specialized General Studies Requirements****Area IV**

PSY 2200 (3) General 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 / Transliterating

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 Experiences

ITP 4463 (3) Practicum II: Seminar and Field Experiences

ITP 4465 (6) Internship: Educational Interpreting

ITP 4466 (6) Internship: Community Interpreting

INTERPRETER TRAINING MINOR (18 HOURS)

ITP 2200 (3) Introduction to Interpreting: Professional Identity and Ethical Considerations

ITP 3364 (3) Introduction to Educational Interpreting/ Transliterating

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

MASTER MENTOR PROGRAM

The Master Mentor Program consists of four(4) 3-hour courses as outlined below. Students may enroll in this track in their final year of study. Students accepted into this track are still required to meet the 120-credit hour program criteria, as well as all other graduation requirements set forth in the ITP curriculum. Students wishing to enroll in the MMP track in lieu of Community Internship and Education Internship must meet the following criterion:

- Possess Registry of Interpreters for the Deaf (RID) national certification for a minimum of 5 years prior to entry into the Interpreter Training Program.

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

REHABILITATION

The baccalaureate rehabilitation major is listed on 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 disabled client populations. A 12-credit-hour field practicum is required (minimum of 500 clock hours).

REHABILITATION 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 the history, social, and behavioral sciences block, rehabilitation students must choose two social/behavioral science electives.

Progression in Rehabilitation

- Students are required to make a grade of D or better in each of the required departmental core and professional curriculum courses (all HS, RHB, and SWK prefixed courses.)
- 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.

Pre-professional requirement

PSY 3304	(3)	Abnormal Psychology
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Core Requirements (27 Hours)

HS 2235	(3)	Ethics
HS 3310	(3)	Human Behavior /the Social Environ
HS/SWK/		
RHB 3330	(3)	Diversity
HS 3370	(3)	Profession Communications Skills
RHB/SWK	(3)	Program Elective
RHB 2280	(3)	Rehabilitation Social Work Research I
RHB 2281	(3)	Rehabilitation Social Work Res II
RHB 3320	(3)	Human Behavior and the Social Environment II

RHB 3340	(3)	Social Policy and Planning
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Rehabilitation professional program (27 hours)

RHB 3345	(3)	Foundations of Rehabilitation
RHB 3350	(3)	Individual Differences and the World of Work
RHB 3360	(3)	Vocational Assessment
RHB 3380	(3)	Medical and Vocational Aspects of Physical Disabilities
RHB 4410	(1)	Rehabilitation Pre-practicum
RHB 4420	(12)	Rehabilitation Practicum
RHB 4450	(2)	Senior Seminar

Rehabilitation Concentration (18 Hours)

- Medical: physical or occupational therapy prerequisites
- Foreign Language: see minor in Spanish or American Sign Language
- Psychology: see minor in Psychology
- Case Management: see minor in Case Management
- Criminal Justice: see minor in Criminal Justice
- Leadership: see minor Leadership

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.

There are two options for a psychology major: 1) a 36 hour major with an 18-hour minor, and 2) a 54 -hour major with no minor. The 36-hour psychology major provides students an opportunity to select courses from three major areas of psychology to meet professional and personal objectives. These areas are natural science, social science, and applied psychology. The 54-hour psychology program is a more structured major, emphasizing the core areas of psychology and methods of scientific investigation.

PSYCHOLOGY MAJOR (36 HOURS)

Specialized General Studies Requirements

Area IV

Select PSY 2200 or 2201 from the list of approved courses in Area IV. See the general studies section of this catalog for additional general studies information.

Required Courses

PSY 3301	(3)	Basic Statistics
PSY 3311	(3)	Research Methods
PSY 4400	(3)	Advanced General Psychology
PSY 4480	(3)	Senior Seminar in Psychology

Select 24 hours of additional psychology courses.

NOTE: PSY 2200 or PSY 2201 will not count in this major. However, either PSY 2200 or PSY 2201 is a prerequisite for all psychology courses.

Natural Science courses

Select nine hours from the following:

PSY 3310	(3)	Sensation and Perception
PSY 3340	(3)	Psychology of Learning
PSY 3351	(3)	Theories of Learning
PSY 3370	(3)	Comparative Psychology
PSY 3385	(3)	Evolutionary Psychology
PSY 4421	(3)	Physiological Psychology
PSY 4460	(3)	Cognitive Psychology

Social Science courses

Select nine hours from the following:

PSY 2210	(3)	Developmental Psychology
PSY 3304	(3)	Abnormal Psychology
PSY 3312	(3)	Psychology of Women
PSY 3320	(3)	Child Psychology
PSY 3322	(3)	Abnormal Child Psychology
PSY 3325	(3)	Adolescent Psychology
PSY 3380	(3)	Social Psychology
PSY 4402	(3)	Principles of Counseling
PSY 4420	(3)	Physiological Dynamics of Alcohol and Other Drugs
PSY 4430	(3)	Intro. to Substance Abuse Counseling
PSY 4434	(3)	Drug Education, Prevention and Intervention
PSY 4435	(3)	Treatment of Addictive Family Disease
PSY 4436	(3)	Treatment Theories and Modalities of Addictive Diseases
PSY 4450	(3)	Theories of Personality
PSY 4456	(3)	Gerontology
PSY 4470	(3)	Advanced Theories of Developmental Psychology

Applied Psychology courses

Select six hours from the following:

PSY 2205	(3)	Psychology of Adjustment
PSY 2230	(3)	Orientation to Psychology
PSY 3303	(3)	Educational Psychology
PSY 3309	(3)	Advanced Statistics
PSY 3330	(3)	Health Psychology
PSY 3332	(3)	Family Violence
PSY 3360	(3)	Forensic Psychology
PSY 3365	(3)	Human Factors Psychology
PSY 4401	(3)	Psychological Tests/Measurements
PSY 4405	(3)	Experimental Psychology
PSY 4410	(3)	Business and Industrial Psychology
PSY 4451	(3)	History and Systems of Psychology
PSY 4459	(3)	Applied Behavior Analysis
PSY 4475	(3)	Theories of Training and Evaluation

PSYCHOLOGY COMPREHENSIVE PROGRAM (54 HOURS)

Specialized General Studies Requirements

Area IV

Select PSY 2200 or 2201 from the list of approved courses in Area IV. General Psychology is a prerequisite for all psychology courses. See the general studies section of this catalog for additional general studies information.

Required Courses

PSY 2230	(3)	Orientation to Psychology
PSY 3301	(3)	Basic Statistics
PSY 3309	(3)	Advanced Statistics
PSY 3311	(3)	Research Methods
PSY 4400	(3)	Advanced General Psychology
PSY 4405	(3)	Experimental Psychology
PSY 4451	(3)	History and Systems of Psychology
PSY 4480	(3)	Senior Seminar in Psychology

Natural Science courses

Select at least six hours from the following:

PSY 3310	(3)	Sensation and Perception
PSY 3340	(3)	Psychology of Learning
PSY 3351	(3)	Theories of Learning
PSY 3370	(3)	Comparative Psychology
PSY 3385	(3)	Evolutionary Psychology
PSY 4421	(3)	Physiological Psychology
PSY 4460	(3)	Cognitive Psychology

Select at least 24 hours of additional 3000/4000-level psychology courses.

NOTE: PSY 2205 will not count in this program.

PSYCHOLOGY MINOR (18 HOURS)

Select two courses (six hours) from each of the group elective categories listed in the psychology major.

Psychology minors may receive credit for PSY 3301 and 3311 in the applied category.

APPLIED BEHAVIOR ANALYSIS MINOR (18 HOURS)

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 experiences 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

Behavioral Treatment of Individuals with Autism and Developmental Delays Certificate (12 Hours)

PSY 4474	(3)	Evaluation of Research for the Behavioral Treatment of Individuals with Autism and Developmental Delays
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- 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

CERTIFICATION PROGRAMS

Teacher Certification

Please see the list of certification programs offered at Troy University at the beginning of the 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 College of Education website. Only those students who are properly admitted to an approved teacher certification program and complete all current requirements will be recommended for certification.

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 the following:

- a minimum grade point average of 2.75 on all undergraduate coursework attempted in the professional studies and in the teaching field(s);
- 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.

- Successful completion of the Basic Skills examination.
- Successful completion of the Troy University Mathematics Modules.

Any candidate who applies for a professional certificate is subject to all regulations set forth by the Alabama State Department of Education, including a comprehensive background check that shall be completed and cleared prior to observations in P-12 settings. Additional requirements (e.g., standardized examinations to demonstrate content mastery) may be added as the Alabama State Board of Education and other accrediting agencies modify regulations. Implementation of additional requirements may be mandated by the Alabama State Department of Education and could supersede a student's stated program requirements. Candidates should consult their education 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.

Highly Qualified Teacher

All undergraduate teacher education programs comply with the Alabama Model for Identifying Highly Qualified Teachers in accordance with the No Child Left Behind Act (NCLB) of 2001.

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 the required minimum composite score on The Alabama Professional Education Personnel Evaluation Program (PEPE), or required score on the Educate Alabama or other state adopted evaluation instrument;
3. remediation is requested within two years of the valid date of the Professional Educator certificate, which was issued based on recommendation by the unit.

In no case shall the unit be required to provide remediation for more than the first two years of employment.

Exit Examinations

All teacher education candidates must successfully complete all components of the required exit examination. There are three components of the exit examination: teaching field(s), Praxis II exams and portfolio. The format and requirements of the examination may vary according to the major. 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 program and course requirements, including exit examination(s), portfolio, 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 EDU 4499, PSY 3303, EDU 4400 (or check-sheet approved discipline-specific classroom management course), and SPE 3340 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:

1. 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.
2. Elementary, early childhood and collaborative teacher P-6 candidates must complete both MTH 1110 and MTH 1112 with a grade of C or better to satisfy the math requirement for admission to TEP.
3. A minimum grade point average of 2.75 overall, in professional studies, and in the 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.
4. An initial score on the Alabama Educator Certification Testing Program (AECTP).
5. Successful completion of a formal speech and interview.
6. Completion of a minimum of 12 clock hours of classroom observation/participation.
7. Successful completion of an impromptu essay.
8. Evidence of successful background and fingerprint check.

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 Office of Teacher Education 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. A minimum of 12 semester hours in the professional studies and a minimum of 12 semester hours in the teaching field must be earned prior to internship at the site supervising the internship.

Prerequisites for internship include the following:

1. Admission to the Teacher Education Program (TEP).
2. A GPA of 2.75 overall on all coursework attempted.
3. A GPA of 2.75 in all professional studies coursework attempted.
4. A GPA of 2.75 in all teaching field coursework attempted.
5. Two satisfactory recommendations from faculty.
6. Completion of all coursework except for Internship Seminar, which is taken in conjunction with internship.
7. Completion of all professional studies and teaching field courses with a grade of C or better.
8. Completion and verification of a minimum of 150 contact hours of clinical experiences. Ninety of these 150

hours must be in increments of at least three hours each. The majority of field experiences must occur in a P-12 setting. At least half of the field experiences shall be in the candidate's teaching field and shall emphasize the application of content knowledge, skills and disposition.

9. Evidence of current First Aid and CPR certifications.
10. Successful completion of all three sections of the Alabama Educator Certification Testing Program (AECTP).
11. Successful completion of the Troy University Mathematics Modules.
12. Successful completion of the Praxis II examinations in content areas, Praxis II Reading and Praxis II PLT.
13. Successful completion of the preliminary components of the professional portfolio and the exit examinations in professional studies and the teaching field(s).
14. Approval of the director of the Teacher Education Program and the division chair.
15. Evidence of current professional liability coverage.
16. 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 who is the teacher of record for the class. *Interns may not complete an internship in a classroom in a long-term substitute teacher position at a P-12 school attended by the candidate, or at a school at which relatives work or children attend.*

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.

Area II

ART 1133	(2)	Visual Arts
COM 2241	(3)	Fundamentals of Speech
ENG 2205	(3)	World Literature before 1660
ENG 2206	(3)	World Literature after 1660
MUS 1131	(2)	Music Appreciation

Area III

Select SCI 2233 and L233 from the list of approved courses.

Area IV

Majors are strongly encouraged to select PSY 2210 and GEO 2210 from the list of approved courses in Area IV.

Area V Requirements

IS 2241	(3)	Computer Concepts and Apps.
MTH 1112	(3)	Pre-Calculus Algebra
MTH 2251	(3)	Math Concepts for Teachers I
MTH 2252	(3)	Math Concepts for Teachers II
SCI 2234	(3)	Earth and Space Science
SCI L234	(1)	Earth and Space Science Lab
TROY 1101	(1)	University Orientation

Select an additional one hour elective.

Education Major (Professional Studies)

ECE 4454	(3)	Internship Seminar for Early Childhood Education
ECE 4474	(9)	Internship in Early Childhood Education
EDU 3310	(3)	The Professional Educator
EDU 4400	(3)	Classroom Management
EDU 4471	(3)	Curriculum and Instructional Delivery
EDU 4499	(3)	Technology Across the Curriculum
PSY 3303	(3)	Educational Psychology
PSY 3346	(3)	Educational Assessment
RED 4481	(3)	Language and Literacy I
SPE 3340	(3)	Diverse Learners

Required Courses in Early Childhood Education

ECE 3310	(3)	Portrait of the Learner: Logico Mathematical Knowledge
ECE 3320	(3)	Portrait of the Learner: Physical Knowledge
ECE 3330	(3)	Portrait of the Learner: Social and Moral Development
ECE 3340	(3)	Portrait of the Learner: Language Acquisition
ECE 3350	(3)	Portrait of the Learner: Symbolic Function
ECE 4401	(3)	Integrated Program
RED 3380	(3)	Children's Literature
RED 4483	(3)	Language and Literacy III: Intervention Strategies
SPE 4460	(3)	Collaboration in Education Practices

ELEMENTARY EDUCATION (K-6) (129 HOURS)**Specialized General Studies Requirements**

See the general studies section of this catalog for additional information.

Elementary education majors must complete a minimum of 12 semester hours in each of the following disciplines as part of general studies: mathematics, social science, science, and English.

Area II

ART 1133	(2)	Visual Arts
COM 2241	(3)	Fundamentals of Speech
ENG 2205	(3)	World Literature before 1660
ENG 2206	(3)	World Literature after 1660
MUS 1131	(2)	Music Appreciation

Area III

Select SCI 2233 and L233 from the list of approved courses.

Area IV

Majors are strongly encouraged to select POL 2241, GEO 2210 and HIS 1111 and 1112 from the list of approved courses in Area IV.

Area V Requirements

IS 2241	(3)	Computer Concepts and Applications
MTH 1112	(3)	Pre-Calculus Algebra
MTH 2251	(3)	Math Concepts for Teachers I
MTH 2252	(3)	Math Concepts for Teachers II
SCI 2234	(3)	Earth and Space Science
SCI L234	(1)	Earth and Space Science Lab
TROY 1101	(1)	University Orientation

Select an additional one hour elective.

Education Major (Professional Studies)

EDU 3310	(3)	The Professional Educator
EDU 4400	(3)	Classroom Management

EDU 4471	(3)	Curriculum and Instructional Delivery
EDU 4499	(3)	Technology Across the Curriculum
ELE 4454	(3)	Internship Seminar for Elementary Education
ELE 4474	(9)	Internship in Elementary Education
PSY 3303	(3)	Educational Psychology
PSY 3346	(3)	Educational Assessment
RED 4482	(3)	Language and Literacy II: Grades 4-6
SPE 3340	(3)	Diverse Learners

Required Courses in Elementary Education

ART 3361	(3)	Integrating Art into the Curriculum
ELE 3360	(3)	Teaching Social Science in the K-6 Classroom
ELE 3361	(3)	Teaching Natural Science in the K-6 Classroom
ELE 3362	(3)	Teaching Mathematics in the K-6 Classroom
ELE 4401	(3)	Integrated Program
KHP 3361	(3)	Integrating Health & PE into the Curriculum
MUS 3361	(3)	Integrating Music into the Curriculum
RED 3380	(3)	Children's Literature
RED 4481	(3)	Language & Literacy I: Grades P-3
RED 4483	(3)	Language & Literacy III: Intervention Strategies
SPE 4460	(3)	Collaboration in Education Practices

COLLABORATIVE TEACHER (K-6) (129 HOURS)**Specialized General Studies Requirements**

See the general studies section of this catalog for additional information.

Collaborative teacher majors must complete a minimum of 12 semester hours in each of the following disciplines as part of general studies: mathematics, social science, science, and English.

Area II

ART 1133	(2)	Visual Arts
COM 2241	(3)	Fundamentals of Speech
ENG 2205	(3)	World Literature before 1660
ENG 2206	(3)	World Literature after 1660
MUS 1131	(2)	Music Appreciation

Area III

Select SCI 2233 and L233 from the list of approved courses.

Area IV

Majors are strongly encouraged to select POL 2241, GEO 2210 and HIS 1111 and 1112 from the list of approved courses in Area IV.

Area V Requirements

IS 2241	(3)	Computer Concepts and Applications
MTH 1112	(3)	Pre-Calculus Algebra
MTH 2251	(3)	Math Concepts for Teachers I
MTH 2252	(3)	Math Concepts for Teachers II
SCI 2234	(3)	Earth and Space Science
SCI L234	(1)	Earth and Space Science Lab
TROY 1101	(1)	University Orientation

Select an additional one hour elective.

Education Major (Professional Studies)

EDU 3310	(3)	The Professional Educator
EDU 4400	(3)	Classroom Management
EDU 4471	(3)	Curriculum and Instructional Delivery
EDU 4499	(3)	Technology Across the Curriculum
PSY 3303	(3)	Educational Psychology
RED 4482	(3)	Language and Literacy II: Grades 4-6
SPE 3340	(3)	Diverse Learners
SPE 3346	(3)	Assessment in Special Education
SPE 4454	(3)	Internship Seminar for Collaborative Teacher K-6
SPE 4474	(9)	Internship in Collaborative Teacher K-6

Required Courses in Collaborative Teacher (K-6) (Teaching Field)

ELE 3362	(3)	Teaching Mathematics in the K-6 Classroom
KHP 4462	(3)	Physical Education for Exceptional Children
RED 3380	(3)	Children's Literature
RED 4481	(3)	Language and Literacy I: Grades P-3
RED 4483	(3)	Language and Literacy III: Intervention Strategies
SPE 3302	(3)	Intro to Moderate/Severe Disabilities
SPE 3306	(3)	Teaching Students with Mild Disabilities (K-6)
SPE 3309	(3)	Teaching Students with Moderate/Severe Disabilities (K-6)
SPE 3349	(3)	Intro to Mild Disabilities
SPE 3362	(3)	Policies and Procedures in Special Education
SPE 4460	(3)	Collaboration in Education Practices

COLLABORATIVE TEACHER (6-12)

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 II

ART 1133	(2)	Visual Arts
ENG 2205	(3)	World Literature before 1660
ENG 2206	(3)	World Literature after 1660
MUS 1131	(2)	Music Appreciation
SPH 2241	(3)	Fundamentals of Speech

Area III

Select SCI 2233 and L233 from the list of approved courses.

Area IV

Majors are strongly encouraged to select PSY 2210 and GEO 2210 from the list of approved courses in Area IV.

Area V Requirements

IS 2241	(3)	Computer Concepts and Apps.
MTH 1112	(3)	Pre-Calculus Algebra
MTH 2251	(3)	Math Concepts for Teachers I
MTH 2252	(3)	Math Concepts for Teachers II

SCI 2234	(3)	Earth and Space Science
SCI L234	(1)	Earth and Space Science Lab
TROY 1101	(1)	University Orientation

Select an additional one hour elective.

Education Major (Professional Studies)

EDU 3305	(3)	Teaching with Technology
EDU 3310	(3)	The Professional Educator
EDU 4400	(3)	Classroom Management
EDU 4471	(3)	Curriculum and Instructional Delivery
PSY 3303	(3)	Educational Psychology
PSY 3325	(3)	Adolescent Psychology
RED 4484	(3)	Language and Literacy IV
SPE 3340	(3)	Diverse Learners
SPE 3346	(3)	Assessment in Special Education
SPE 4454	(3)	Internship Seminar
SPE 4465	(9)	Collaborative Teacher 6-12 Internship

Required Courses in Collaborative Teacher (6-12) (Teaching Field)

ELE 3362	(3)	Teaching Math in K-6
SED 4481	(3)	Methods and Materials for SED Teacher or advisor approved Methods course
SPE 3302	(3)	Introduction to Moderate and Severe Disabilities
SPE 3303	(3)	Teaching Students with Mild Disabilities: 6-12
SPE 3304	(3)	Teaching Students with Moderate and Severe Disabilities: 6-12
SPE 3305	(3)	Transition Planning
SPE 3307	(3)	Strategies Instruction
SPE 3349	(3)	Intro to Mild Disabilities
SPE 3362	(3)	Policies and Procedures in SPE
SPE 4460	(3)	Collaboration in Education Practices

SECONDARY EDUCATION (6-12)

Specialized General Studies Requirements

See the general studies section of this catalog for additional information.

Areas I-V

See discipline specific major for specialized general studies requirements.

Area IV

Majors are strongly encouraged to select PSY 2210 from the list of approved courses in Area IV.

Education Major (Professional Studies)

EDU 3305	(3)	Teaching with Technology
EDU 3310	(3)	The Professional Educator
EDU 4471	(3)	Curriculum and Instructional Delivery
PSY 3303	(3)	Educational Psychology
RED 4484	(3)	Language and Literacy IV
SED 3346	(3)	Educational Assessment
SED 4400	(3)	Classroom Management
SED 4454	(3)	Internship Seminar for Secondary Education
SPE 3340	(3)	Diverse Learners
____ 4474	(9)	Internship in Secondary Education (prefix: BIO, CHM, ENG, HIS,

MTH, SCI, OR SS)

____ 4481 (3) Methods and Materials for the ____ major
(prefix: BIO, CHM, ENG, HIS, HLT,
MTH, SCI, SED, SS)

In addition to the required general studies and the education major identified above, students seeking Alabama teacher certification in grades 6-12 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 secondary education disciplines are as follows:

- Biology
- Chemistry
- English/Language Arts
- 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.

Areas I-V

See discipline specific major for specialized general studies requirements.

Area IV

Majors are strongly encouraged to select PSY 2210 from the list of approved courses in Area IV.

Education Major (Professional Studies)

EDU 3310 (3) The Professional Educator
 EDU 4471 (3) Curriculum and Instructional Delivery
 IED 4454 (3) Internship Seminar for Interdisciplinary Education
 PSY 3303 (3) Educational Psychology
 RED 4484 (3) Language & Literacy IV
 ____ 4472 (9) Internship in Interdisciplinary Education
 (prefix: ART, DRA, KHP or MUS)
 ____ 4481 (3) Methods and Materials for the ____ major
 (prefix: ART, DRA, KHP or MUS)

Select the appropriate classroom management course:

KHP 4465 (3) Classroom Management and Organization for HPE (KHP majors)
 MUS 4403 (3) Classroom Management for the Music Educator (MUS majors)
 EDU/
 SED 4400 (3) Classroom Management (ART and Theatre majors)

Select the appropriate diverse learners course:

KHP 4462 (3) Physical Education for Exceptional Children (KHP majors)
 MUS 4460 (3) Music for the Exceptional Learner (MUS majors)
 SPE 3340 (3) Diverse Learners (ART majors)

Select the appropriate technology course:

EDU 3305 (3) Teaching with Technology (ART & KHP Majors)
 MUS 3305 (3) Music Technologies (MUS Majors)

Select the appropriate assessment course:

ART 3346 (3) Educational Assessment in Fine Arts (ART Majors)
 DRA 3346 (3) Educational Assessment in Theatre (Communication Arts Major — Theatre Track)
 KHP 3391 (3) Testing and Statistical Interpretation (KHP Majors)
 MUS 3346 (3) Educational Assessment in Fine Art (MUS Majors)

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 (Communication Arts Major—Theatre Track)

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

Athletic Training Program

The mission of the undergraduate Athletic Training (AT) Program at Troy University is to provide quality didactic and clinical experiences to entry-level athletic training students through the development and utilization of interactive instructional methods and exposure to a variety of clinical education experiences and allied health professionals.

In 1989, funding for the preliminary development of an AT Program at Troy University was obtained through Alabama Sports Medicine and in-kind gifts. The Athletic Training Education Program leads to a Bachelor of Science degree within the College of Health and Human Services. The Athletic Training Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE), 6836 Austin Center Blvd., Suite 250, Austin, TX 78731-3193., www.caate.net.

Bachelor of Science in Athletic Training

The Bachelor of Science in Athletic Training consists of two components: (1) pre-athletic training courses and (2) Athletic Training Program courses (first, second and third year). All students must complete the courses for pre-athletic training and the Athletic Training Program as described in the University catalog. The pre-athletic training courses must be completed and approved by the AT Program director before a student is eligible for admission to the Athletic Training Program. All students must make formal application to the Athletic Training Program and meet all admission requirements. Completion of pre-athletic training courses does not guarantee admission into the Athletic Training Program. Consult with the program director of Athletic Training 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 double in the next decade.

The School of Hospitality, Sport and Tourism Management

decade; hence, it emphasizes quality teaching and values scholarly activity. The college is committed to the development of its students into knowledgeable, caring, responsive and self-directed individuals able to meet the health and human caring needs of a diverse and complex society through change, advocacy and leadership within their communities.

As part of ongoing planning and evaluation, the College of Health and Human Services regularly evaluates student learning outcomes for each degree program.

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.

The Hospitality Management concentration prepares students for careers in hotels, restaurants, resorts, conference centers, casinos, retail businesses, and other entertainment related businesses.

The Sport Management concentration prepares students for careers in interscholastic, intercollegiate, professional, and recreational sports, program directors (recreational and/or fitness), marketing and promotions directors, event managers, facilities directors, corporate sales directors, directors of ticketing and financing, compliance directors, sport retail managers and sales representatives, athletic directors, and other sport related business/organizations.

The Tourism Management concentration prepares students for careers in convention and visitors bureaus, chamber of commerce, meeting planners, event coordinators, outfitters, recreation facilities/activities, resorts, tourism associations, destination marketing organizations, conference centers, national and state parks, theme parks, historic sites, sport events, festival/event organizers, 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 sys-

tems, 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 500 clock hours).

Department of Kinesiology and Health Promotion

One of the oldest departments on campus, Kinesiology and Health Promotion consists of two undergraduate degree options (teaching and non-teaching) and boasts more than 250 majors in the department. The department offers scientifically based programs for students who want to work with people, enjoy activity, and gain satisfaction in enhancing the quality of life of others. The curricular emphasis is on the professional preparation of students for careers in teaching, athletic administration, recreation management, fitness, health and sport club management. High schools and colleges, professional and recreational sports agencies and arenas, hospitals, rehabilitation centers, city parks and recreation, state and national parks, commercial agencies, health clubs and fitness centers are among the many organizations where our students find employment after graduation.

The Physical Education (P-12) course of study focuses on the study of human movement as it relates to the cognitive, affective, and psychomotor domain of teaching and learning, as well as the facets related to health and physical education.

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.

Students are accepted for admission to the ASN (Montgomery Campus) and BSN (Troy Campus) programs in the spring and fall semesters. The ASN degree may be completed in five semesters. The BSN degree may be completed in four years. Registered nurses may receive advanced placement in the online RN-BSN/MSN track of the BSN Program. For information related to progression from RN-BSN/MSN track to the Clinical Nurse Specialist, Family Nurse Practitioner, or Nursing Informatics Specialist 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, professional liability insurance and proof of annual physical examination when enrolled in clinical nursing courses. Professional liability insurance must be purchased through the School of Nursing. 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. 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.

ATHLETIC TRAINING PROGRAM

Specialized General Studies Requirements

This degree has special general studies requirements. Students should see the Athletic Training program adviser along with this catalog.

Requirements for admission to the Athletic Training Program:

1. Students must possess an overall 3.0 GPA as well as a 3.0 GPA in all athletic training core courses to be considered for admission.
2. All student applicants applying for the Athletic Training Program must have completed AT 1101, BIO 1100 and L100, MTH 1112, CHM 1142 and L142, and ENG 1101 and 1102 with a GPA of 3.0 or better.
3. The Athletic Training Program accepts completed applications for program admission twice a year. The due dates are April 1 and July 1 of each academic year. Applicants applying by the April 1 deadline will receive priority and the July 1 applicants will receive consideration only if there are slots available after the April 1 program admission process is complete. Admission to the Athletic Training (AT) Program is selective and completed applications do not guarantee admission into the Athletic Training Program. Enrollment is limited due to the availability of resources.
4. All students must be interviewed by the Athletic Training Board of Admissions as a component of the application process. Student applicants must also submit three letters of recommendation and have documented a minimum of 40 observation hours under a certified athletic trainer prior to being considered for admission into the AT Program.
5. All transfer student applicants must complete the equivalent of BIO 1100 and L100, MTH 1112, CHM 1142 and L142, ENG 1101 and ENG 1102 with a minimum GPA of 3.0 prior to admission into the AT Program. AT 1101 must also be completed under the same criteria; however, it must be taken at Troy University. Transfer students must go through the same application process as Troy University students.
6. Each student accepted into the AT Program must submit a signed agreement stating that he/she accepts the invitation and responsibility connected with the AT Program.

Progression in the Athletic Training Education Program:

1. Students who are accepted into the AT Program. begin course progression in the fall semester of the acceptance year.
2. All students must maintain current CPR for the Professional Rescuer, First Aid, and AED certifications. Professional liability insurance must be purchased annually through the Department of Athletic Training. Proof of physical examination Hepatitis B vaccine, TB skin test, and current tetanus immunization must be on file when enrolled in the AT Program. Students are responsible for their own medical care if needed in the clinical education setting.
3. Achievement tests are required at various points in the student’s educational experience.
4. Because of the costs of the Athletic Training Program, students are responsible for essential items of personal equipment, uniforms, Hepatitis B Vaccine Series, liability insurance cost, and travel.
5. Students must maintain an overall 3.0 GPA as well as a 3.0 GPA in all athletic training core courses.
6. Students must earn a C or better in all athletic training core courses. If a student earns a D or F in any AT Program courses, he/she must repeat that course.

Academic Probation Policy

1. Once a student’s GPA has fallen below a 3.0, in either the AT Program core courses or overall, the AT Program director will place the student on academic probation. The student will have one academic semester to raise the GPA to the program criteria. If the student does not meet this standard, he/she will no longer be able to progress in the AT Program and will be released from the program.

Athletic Training Program Technical Standards for Admissions

The Athletic Training Program at Troy University is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards set forth by the Athletic Training Program establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills and competencies of an entry-level athletic trainer, as well as meet the expectations of the program’s accrediting agency (Commission on Accreditation of Athletic Training Education [CAATE]). The following abilities and expectations must be met by all students admitted to the Athletic Training Program. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program.

Compliance with the program’s technical standards does not guarantee a student’s eligibility for the BOC certification exam.

Candidates for selection to the Athletic Training Program must demonstrate the following:

1. The mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm.
2. Sufficient postural and neuromuscular control, sensory function and coordination to perform appropriate physical examinations using accepted techniques, and to accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients.
3. The ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds. This includes, but is not limited to, the ability to establish rapport with patients and communicate judgments and

treatment information effectively. Students must be able to understand and speak English at a level consistent with competent professional practice.

4. The ability to record the physical examination results and a treatment plan clearly and accurately.
5. The capacity to maintain composure and continue to function well during periods of high stress.
6. The perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced.
7. Flexibility and the ability to adjust to changing situations and uncertainty in clinical situations.
8. Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Candidates for selection to the athletic training education program will be required to verify that they understand and meet these technical standards or that they believe that, with certain accommodations, they can meet the standards.

The Troy University Department of Athletic Training will evaluate a student who states that he/she could meet the programs technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws.

If a student states that he/she can meet the technical standards with accommodation, then the University will determine whether it agrees that the student can meet the technical standards with reasonable accommodation. This determination includes a review of whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety or the educational process of the student or the institution, including all coursework, clinical experiences and internships deemed essential to graduation.

Course Requirements

The course work involves a six-semester sequence beginning with the fall semester of admission into the program. This sequence is developed as a progression designed to incorporate all domains and objectives outlined in the competencies in athletic training education, culminating in AT 4402, which is taken the sixth semester of program enrollment.

AT 1101	(1)	Orientation to Athletic Training Education
AT 2201	(1)	Clinical Experiences in Athletic Training I
AT 2202	(1)	Clinical Experiences in Athletic Training II
AT 3301	(2)	Clinical Experiences in Athletic Training III
AT 3302	(2)	Clinical Experiences in Athletic Training IV
AT 3394	(1)	Lifting Techniques for Conditioning and Rehabilitative Exercise
AT 3395	(3)	Care and Prevention of Athletic Injuries and Illnesses
AT L395	(1)	Care and Prevention of Athletic Injuries and Illnesses Lab
AT 3396	(3)	Evaluation of Athletic Injuries and Illnesses I
AT L396	(1)	Evaluation of Athletic Injuries and Illnesses I Lab
AT 3397	(3)	Evaluation of Athletic Injuries and Illnesses II
AT L397	(1)	Evaluation of Athletic Injuries and Illnesses II Lab
AT 3398	(3)	Organization and Administration for Athletic Trainers
AT 3399	(3)	General Medical Conditions Seminar
AT 4401	(3)	Clinical Experiences in Athletic Training V
AT 4402	(12)	Athletic Training Field Experience
AT 4447	(3)	Therapeutic Modalities
AT L447	(1)	Therapeutic Modalities Lab
AT 4448	(3)	Therapeutic Exercises
AT L448	(1)	Therapeutic Exercises 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
CHM 1142	(3)	General Chemistry I
CHM L142	(1)	General Chemistry I Lab
KHP 3315	(2)	Complementary and Alternative Therapies
KHP 3350	(3)	Psychology of Wellness
KHP 3352	(3)	Kinesiology
KHP 4474	(3)	Exercise Physiology
KHP L474	(1)	Exercise Physiology Lab
NSG 1105	(1)	Medical Terminology
KHP 2211	(3)	Human Nutrition
NSG 3309	(2)	Health Assessment
NSG 3310	(1)	Health Assessment Practicum
NSG 3315	(3)	Pathophysiology
PHI 2204	(3)	Ethics

CASE MANAGEMENT MINOR (18 HOURS)

Students w/Human Service Major:

HS 2250	(3)	Fundamentals of Case Management (must be taken first)
SWK 3302	(3)	Social Services Resources
SWK 3303	(3)	Crisis Intervention
SWK 3304	(3)	SW in Health Care Settings
RHB 3385	(3)	Rehabilitation of Persons with Severe Disabilities

Students must take 1 (3 hr) elective (HS/RHB/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

EXERCISE SCIENCE PROGRAM (124 HOURS)

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 Honors Western Civics I
HIS 1102	(3)	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 and Applications
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:

BIO 1101	(3)	Organismal Biology
BIO L101	(1)	Organismal Biology Lab
KHP 3391	(3)	Testing and Statistical Interpretation

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)

BIO 1101	(3)	Organismal Biology
BIO L101	(1)	Organismal Biology Lab
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

Select one (1) hour of advisor approved elective.

†Pre-Health Professions Concentration (20 hours)

BIO 1101	(3)	Organismal Biology
BIO L101	(1)	Organismal Biology Lab
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

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

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.

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.

**HOSPITALITY, SPORT AND TOURISM MANAGEMENT
(123 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 Hospitality Management, Sport Management, Tourism Management, Recreation, or a minor outside the School.

Area III Requirements

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

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

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
SCI 2233	(3)	Physical Science
SCI L233	(1)	Physical Science Lab

Area V Requirements

IS 2241	(3)	Computer Concepts and Applications
MTH 2210	(3)	Applied Statistics

OR

QM 2241	(3)	Business Statistics
TROY 1101	(1)	University Orientation

Select two physical activity courses (2 Hours).

Select one adviser-approved elective courses (3 Hours).

**HOSPITALITY, SPORT AND TOURISM MANAGEMENT
CORE (30 HOURS)**

HSTM 3301	(3)	Social Psychology of Leisure
HSTM 3355	(3)	Introduction to Hospitality, Sport and Tourism Management
HSTM 4430	(3)	Marketing in Hospitality, Sport and Tourism Management
HSTM 4445	(3)	Research Methods in Hospitality, Sport & Tourism Management
HSTM 4450	(3)	Event Management in Hospitality, Sport and Tourism Management
HSTM 4460	(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

Select Hospitality, Sport or Tourism Management as concentration area.

**HOSPITALITY MANAGEMENT CONCENTRATION
(21 HOURS)**

HSTM 3374	(3)	Hotel Management
HSTM 3377	(3)	Domestic and International Tourism
HSTM 3372	(3)	Hospitality Management

HSTM 4420	(3)	Revenue Management in Hospitality
HSTM 4425	(3)	Human Resource Management in Hospitality
HSTM 4465	(3)	Food and Beverage Service
HSTM 4466	(3)	Restaurant Management

**SPORT MANAGEMENT CONCENTRATION
(21 HOURS)**

HSTM 4435	(3)	Current Issues in Sport Management
HSTM 4440	(3)	Governing Agencies
HSTM 4443	(3)	Sport Administration
HSTM 4451	(3)	Sport Finance and Business
HSTM 4452	(3)	Sport Communications
HSTM 4453	(3)	Legal Aspects in Sport Management
HSTM 4455	(3)	Facility Management

**TOURISM MANAGEMENT CONCENTRATION
(21 HOURS)**

HSTM 3360	(3)	Tourism Principles
HSTM 3377	(3)	Domestic and International Tourism
HSTM 3330	(3)	Festivals and Special Events
HSTM 4414	(3)	Sustainable Tourism
HSTM 4415	(3)	Tourism Impacts
HSTM 4417	(3)	Issues in Tourism
HSTM 4419	(3)	Tourism Enterprises

**HOSPITALITY MANAGEMENT MINOR
(18 HOURS)**

HSTM 3355	(3)	Introduction to Hospitality, Sport and Tourism Management or advisor approved elective
HSTM 3372	(3)	Hospitality Management
HSTM 3374	(3)	Hotel Management
HSTM 4420	(3)	Revenue Management in Hospitality
HSTM 4465	(3)	Food and Beverage Service
HSTM 4466	(3)	Restaurant Management

SPORT MANAGEMENT MINOR (18 HOURS)

HSTM 3355	(3)	Introduction to Hospitality, Sport and Tourism Management or advisor approved elective
HSTM 4435	(3)	Current Issues in Sport Management
HSTM 4451	(3)	Sport Finance and Business
HSTM 4452	(3)	Sport Communications
HSTM 4453	(3)	Legal Aspects in Sport Management
HSTM 4455	(3)	Facility Management

**TOURISM MANAGEMENT MINOR
(18 HOURS)**

HSTM 3355	(3)	Introduction to Hospitality, Sport and Tourism Management or advisor approved elective
HSTM 3360	(3)	Tourism Principles
HSTM 3330	(3)	Festivals and Special Events
HSTM 4414	(3)	Sustainable Tourism
HSTM 4415	(3)	Tourism Impacts
HSTM 4417	(3)	Issues in Tourism

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

HSTM 3340	(3)	Principles of Recreation
HSTM 3345	(3)	Recreation Programming
HSTM 3355	(3)	Introduction to HSTM or advisor approved elective
HSTM 4453	(3)	Legal Aspects in Sport and Physical Activity

Select 6 additional hours in HSTM courses

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

HSTM 3340	(3)	Principles of Recreation
HSTM 3345	(3)	Recreation Programming
HSTM 3360	(3)	Tourism Principles
HSTM 4453	(3)	Legal Aspects in Sport and Physical Activity

Select 6 additional hours in HSTM courses

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

HSTM 3340	(3)	Principles of Recreation
HSTM 3345	(3)	Recreation Programming
HSTM 3360	(3)	Tourism Principles
HSTM 3372	(3)	Hospitality Management

Select 6 additional hours in HSTM courses

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

HSTM 3340	(3)	Principles of Recreation
HSTM 3345	(3)	Recreation Programming
HSTM 3372	(3)	Hospitality Management
HSTM 4453	(3)	Legal Aspects in Sport & Physical Activity

Select 6 additional hours in HSTM courses

HUMAN SERVICES MAJOR (36 HOURS)

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 3398	(2)	Human Services Senior Seminar
HS 3399	(1)	Human Services Pre-Practicum
HS 4400	(3)	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.

HUMAN SERVICES MINOR (18 HOURS)

HS 3310	(3)	Human Behavior and the Social Environment I
HS 3370	(3)	Professional Communication Skills
RHB/ SWK 3320	(3)	Human Behavior and the Social Environment II
HS/SWK/ RHB 3375	(3)	Diversity
HS 2230	(3)	Survey of Human Services
Or		
HS 2240	(3)	Ethics

Select three additional hours in HS, RHB, or SWK courses.

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

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.

Admission to the ASN Program is Completed in TWO steps:

STEP I

For admission to the ASN program, the student must:

1. submit application for admission to undergraduate studies with \$30 application fee;
2. submit **Official** high school transcript or the equivalent (GED). A high school transcript or GED is not required for students transferring in a minimum 24 semester hours of college credit;
3. submit **Official** admission test scores. The ASN program accepts a score of "74" 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 2 TEAS V 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.

*A Bachelor's or higher degree from a regionally accredited institution exempts a student from the admission test requirement;

1. submit **Official** transcripts from all colleges and universities attended;
5. have a minimum grade point average GPA of at least 2.5/4.0 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 SH 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
6. be able to achieve certain core performance standards required for duties of the nursing profession (copy of standards available upon request).

When ENG 1101, PSY 2200, MTH 1112, BIO 3347 and BIO L347 have been completed with a grade of C or better, the student may proceed to step II.

STEP II

For admission to the ASN nursing course sequence (NSG 1131, NSG 1135, 1151, etc.), the student must:

1. meet all admission requirements under Step I;
2. submit the "Application to ASN Nursing Course Sequence" (by May 30 for fall semester admission and Oct. 1 for spring semester admission);
3. have maintained an overall GPA of at least 2.5 on 4.0 scale on all college work attempted.

NOTE: If a student is attempting to transfer credit for nursing courses from another school of nursing (which must be NLNAC accredited), 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 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, Nutrition); therefore, a second D or F in any ASN nursing course (with the exception of NSG 2204, Nutrition) will result in automatic dismissal from the Program.
- Student must make 85% or higher on a dosage and solutions calculation examination in NSG 1151 to progress in the program.
- Student must complete the program within four years from the date of initial enrollment in the first clinical nursing course (NSG 1131).
- Students who drop, fail or withdraw from NSG 1131 must reapply by following Step II of the ASN admission process (i.e., these students will be included with the new pool of applicants in the selective admission process and should understand that they may or may not be selected for a slot in the new class);
- Re-enrollment in a nursing course will depend on space availability.

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

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 1112 (3) Pre-Calculus Algebra

Area IV

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

Area V

TROY 1101 (1) University Orientation

Additional Requirements

BIO 3348 (3) Human Anatomy and Physiology II
 BIO L348 (1) Human Anatomy and Physiology II Lab
 NSG 1131 (4) 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)	Maternal-Infant Nursing Practicum
NSG 2265	(2)	Nursing of Children
NSG 2266	(2)	Nursing of Children-Practicum
NSG 2271	(2)	Psychosocial Nursing Concepts
NSG 2272	(2)	Psychosocial Nursing Practicum
NSG 2280	(4)	Advanced Nursing Concepts
NSG 2281	(6)	Advanced Nursing Practicum
NSG 2282	(2)	Gerontological Nursing Concepts
NSG 2283	(2)	Gerontological Nursing Practicum

NURSING, BACHELOR OF SCIENCE (BSN)

Admission

For admission to the BSN program, students must

- have an overall GPA of at least 2.5 on 4.0 scale. (All hours attempted are used in calculation of overall GPA.)
- file written application with the School of Nursing. Consult academic adviser or director of the BSN program. 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-BSN/MSN track should contact the BSN Program director for admission times.
- 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 director or visit the School of Nursing website at www.troy.edu.
- have a current, unencumbered RN license in state of clinical practice if student is entering the RN-BSN/MSN course sequence.
- be able to achieve certain core performance standards required by the duties of the nursing profession.
- 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 ~~accredited~~ associate degree program from a regionally accredited institution and/or Accreditation Commission for Education in Nursing (ACEN) accreditation and are registered nurses.

Progression

- Students are required to have an overall GPA of 2.5 on a 4.0 scale for enrollment in the Clinical Nursing Sequence.
- Students are required to make a grade of C or better in each nursing course.
- 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.
- 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 corequisite component must drop the corequisite course.
- f. Satisfactory performance on an exit exam is required for graduation. (Note: Exit exam is not required for students in the RN-BSN/MSN 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. Students who buy university meal plans may arrange for a sack lunch. For child health nursing, students may be assigned to learning experiences in Birmingham, Alabama.

The clinical facilities used for students in the RN-BSN/MSN track are located in Dothan, Montgomery, Phenix City and Troy, Ala. and in and surrounding communities.

Specialized General Studies Requirements

Area II

Select PHI 2204, or the equivalent NSG 3340, from the list of approved courses in Area II.

Area III

BIO 3372	(3)	Microbiology
BIO L372	(1)	Microbiology Lab
CHM 1142	(3)	General Chemistry I
CHM L142	(1)	General Chemistry I Lab
MTH 1112	(3)	Pre-Calculus Algebra

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
SOC 2275	(3)	Introduction to Sociology

Area V Requirements

BIO 3347	(3)	Human Anatomy and Physiology I
BIO L347	(1)	Human Anat 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
PSY 3301	(3)	Basic Statistics
IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

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 3319	(2)	Informatics in Nursing
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 3319	(2)	Informatics in Nursing
NSG 3370	(2)	Professional Nursing
NSG 4405	(3)	Public Health Nursing
NSG 4406	(2)	Public Health Nursing Practicum
NSG 4407	(1)	Clinical Nutrition
NSG 4419	(2)	Research and Evidence in Nursing Practice

OR

NSG 6691	(3)	Research Methodology
NSG 4430	(3)	Advanced Nursing Theory
NSG 4431	(2)	Advanced Nursing Preceptorship

Selected General Studies course requirements may differ for students admitted to the RN-BSN program. See the RN-to-BSN director of admissions and records 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:

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 CPR
KHP 2240	(3)	Personal and Community Health
KHP 2251	(3)	Foundations of Physical Education/SFM
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

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 the history, social, and behavioral sciences block, social work students must choose the two social/behavioral science electives from ANT 2200, ECO 2251, POL 2241, PSY 2200, and SOC 2275.

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 2.25 (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 2230, 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.

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 2.0 GPA in all course work taken and a 2.0 GPA in all required departmental and professional courses.

Pre-professional requirement

PSY 3304	(3)	Abnormal Psychology
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Students will take the history series (HIS 1101 and 1102, or HIS 1111 and 1112, or HIS 1122 and 1123) not taken as a part of the general studies requirements.

Students will complete the remaining three social/behavioral science electives (from ANT 2200, ECO 2251, POL 2241, PSY 2200, and SOC 2275) not taken as a part of the general studies requirements.

Core Requirements (27 Hours)

HS 2240	(3)	Ethics
HS 3310	(3)	Human Behavior and the Social Environ
HS/SWK/		
RHB 3375	(3)	Diversity
HS 3370	(3)	Profession Communications Skills
SWK/RHB	(3)	Program Elective
SWK 2280	(3)	Rehabilitation Social Work Research I
SWK 2281	(3)	Rehabilitation 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 4450	(2)	Senior Seminar
SWK 4480	(1)	Social Work Pre-practicum
SWK 4481	(12)	Social Work Practicum

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)

ACT 2291 Principles of Accounting I (3)
Modern financial accounting theory and practices applied to sole proprietorships, partnerships, and corporations. Accounting majors must complete this course with a grade of C or better.

ACT 2292 Principles of Accounting II (3)
Modern financial and managerial accounting theory and practices applied to an organization's liabilities, cash flows, planning, budgeting, and control. Accounting majors must complete this course with a grade of C or better. *Prerequisite: ACT 2291.*

ACT 3355 Internal Auditing (3)
Internal auditing theory as contained in official pronouncement (IIASB, COSO, COBIT, Sarbanes-Oxley). Emphasis will be placed on material required for the CIA exam as it relates to professional ethics, audit engagement procedures, internal control, audit sampling, evidence gathering and auditor's reports. *Prerequisites: ACT 2292.*

ACT 3360 Entrepreneurial Accounting (3)
This course covers small business accounting basics that assist business owners in making business decisions based on accounting information. It emphasizes the triple bottom line reporting that refers to reporting on a company's economic, social, and environmental performance.
Prerequisite: ACT 2292, MGT 4475.

ACT 3365 Corporate Financial Reporting (3)
An analysis of the financial reporting issues faced by managers, including preparing, understanding, and analyzing financial reports.
Prerequisites: ACT 2292

ACT 3391 Intermediate Accounting I (3)
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. *Prerequisite: ACT 2292.*

ACT 3392 Intermediate Accounting II (3)
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. *Prerequisite: ACT 3391.*

ACT 3394 Governmental Accounting (3)
Analysis of governmental and not-for-profit accounting issues including the preparation and use of budgets, records and statements. Accounting majors must complete this course with a grade of C or better. *Prerequisite: ACT 2292.*

ACT 3395 Managerial/Cost Accounting I (3)
An analysis of issues dealing with cost accounting and cost management in the global economy from the viewpoint of management, including calculating product costs and period expenses, cost systems for accumulating and managing costs, analyzing cost behavior for tactical decisions, introduction to activity-based costing, ethical principles for management accountants, measuring the costs of quality, and preparing the master budget. Accounting majors must complete this course with a grade of C or better. *Prerequisite: ACT 2292.*

ACT 3396 Accounting Information Systems (3)
Principles underlying establishment of complete accounting systems; applications to typical business organization; emphasis on the functions of control and protection. Accounting majors must complete this course with a grade of C or better.
Prerequisite: ACT 2292.

ACT 4435 International Accounting (3)
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. *Prerequisite: ACT 3392.*

ACT 4480 Professional Development (1)
Analysis of current developments and requirements for entry into the accounting profession
Prerequisite: ACT 3392, ACT 3392, ACT 3394, ACT 3396, ACT 4494. Prerequisites or co-requisites: ACT 3395, ACT 4491, ACT 4495, ACT 4497.

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 re-*

quirements 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 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—Advanced Auditing (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. Accounting majors must complete this course with a grade of C or better. *Prerequisite: ACT 4497.*
- 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.*

ADVERTISING COURSES (ADJ)

- 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: JRN 2201, 2220 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: JRN 2220.*
- ADJ 4451 Advertising Media Planning (3)**
The 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.

AVIATION FLIGHT COURSES (AFT)

- AFT 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.
- AFT 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.
- AFT 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.
- AFT 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.
- AFT 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.

- AFT 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.
- AFT 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.
- AFT L214 Helicopter Private Pilot 1 Lab (2)**
This course covers aviation fundamentals as required by FAA regulations for students pursuing a Private Pilot Certificate. Ground topics covered include helicopter components and systems, instruments, basic aerodynamics, principles of helicopter flight, airport and heliport operations, performance and limitations, airspace, FAR/AIM, aviation weather, navigational assistants, communication, and flight planning. The flight portion of the course develops basic aeronautical skills necessary for the student's first solo flight. Topics covered include gaining proficiency in all procedures and maneuvers necessary for solo flight, off airport operations, night traffic patterns, hazardous flight conditions, and emergency procedures. This course will consist of 40 flight hours and up to 80 flight instructor hours for ground and pre/post flight briefings.
Prerequisites: Permission of department chair and instructor.
- AFT L216 Helicopter Private Pilot II Lab (2)**
This course covers aviation fundamentals as required by FAA regulations for students pursuing a Helicopter Private Pilot Certificate. Ground topics covered include review and understanding of all aircraft systems and flight requirements necessary to attain a Private Pilots Certificate to include flight planning and night operations. The flight portion of this course will develop requisite aeronautical skills, knowledge and proficiency to the standards necessary to take the FAA Private Pilot Practical Exam. In addition, students will also train in night and cross-country flight operations. This course will consist of 40 flight hours and up to 50 flight instructor hours for ground and pre/post flight briefings.
Prerequisites: AFT L214, permission of chair and instructor.
- AFT L218 Helicopter Commercial Pilot I Lab (3)**
This course covers aviation fundamentals as required by FAA regulations for students engaging in Commercial Pilot Certificate. Topics covered include a more in-depth study and understanding of aerodynamics of the aircraft, helicopter components and instruments, principles of flying, flight planning, weather, navigation charts, communication systems, and FAA regulations. The flight course will further develop private pilot level skills and introduce fundamental commercial flight skills and knowledge necessary to safely operate a helicopter in VFR environments, day and night cross country flights, solo flights and as PIC. Topics covered include flight planning, off-airport operations, basic commercial maneuvers, instrument flight and aeronautical decision making. This course will consist of 60 flight hours and up to 55 flight instructor hours for ground instruction and pre/post flight briefings.
Prerequisites: Private Pilot Certificate-Rotorcraft-Helicopter, permission of chair and instructor.
- AFT L220 Helicopter Commercial Pilot II Lab (3)**
This course covers the study of commercial flight fundamentals as required by FAA regulations for students pursuing a Helicopter Commercial Pilot Certificate. Ground topics covered include a review of prior Private Ground School and Commercial Pilot I material plus review CFRs related to commercial pilot operation, Publication, Certificates, Documents and Maintenance, Aeromedical factors, Aeronautical Decision Making and Judgment, Advanced Flight Maneuvers, High Altitude Operations and Emergency procedures. The flight portion of this course will develop essential flight skills, knowledge and proficiency to Practical Test Standards to prepare for the FAA Commercial Pilot Check Ride. Emphasis will be given to training in advanced helicopter commercial maneuvers and night flight mastery. This course will consist of 60 flight hours and up to 55 flight instructor hours for ground instruction and pre/post flight briefings.
Prerequisites: AFT L218, permission of chair and instructor.
- AFT L222 Helicopter Certified Flight Instructor (CFI) Pilot Lab (2)**
This course covers the study of flight instruction fundamentals as required by FM regulations for students pursuing a Certified Flight Instructor certificate. Ground topics covered include fundamentals of instruction, the learning process, the teaching process, student evaluation and testing, course development, lesson planning and classroom training techniques. The flight portion of this course will develop the aeronautical skill and experience necessary to meet the requirements for a Certificated Flight Instruction certificate with a rotorcraft category and helicopter class rating. Students will learn how to manipulate the helicopter from the instructor's seat while reviewing all required flight maneuvers and emergency maneuvers in order to instruct a student. This course will consist of 40 flight hours and up to 80 flight instructor hours for ground and pre/post flight briefings.
Prerequisites: Commercial Pilots Certificate- Rotorcraft Helicopter, permission of chair and instructor.
- AFT L224 Helicopter Instrument Pilot Lab (2)**
This course covers the study of instrument flight fundamentals as required by FM regulations for students pursuing an Instrument rating. Ground topics covered include being introduced to principles of basic attitude instrument flight and the function of navigational aids/receiving equipment in the IFR environment. This includes holding pro-

cedures, FAR/AIM regulations, ATC communication, and IFR approach procedures. As well as emergency flight procedures and meteorology affects for IFR flight. The flight portion of the course will develop requisite aeronautical skills, knowledge and proficiency to the standards necessary to take the FAA Instrument Practical Exam. Flight topics covered include basic attitude flying, emergency procedures, IFR navigational procedures, IFR approaches, holdings, ILS and VOR systems, and cross country flight via instrument navigation. This course will consist of 45 flight hours and up to 42.5 flight instructor hours for ground and pre/post flight briefings. *Prerequisites: Private Pilots Certificate- Rotorcraft Helicopter, permission of chair and instructor.*

- AFT L226 Helicopter Certified Flight Instructor Instrument (CFII) Pilot Lab (1)**
The study of knowledge, skill, and the aeronautical experience necessary to meet the requirements for a Certified Flight Instructor Instrument Rotorcraft Helicopter Certificate. Ground topics covered include review of the Fundamentals of Instruction, principles of attitude instrument flying, ATC procedures, meteorology, and IFR navigational charts. The applicant will obtain the instructional knowledge required to teach these subjects including the recognition, analysis, and correction of common student errors. During the flight training, appropriate maneuvers and procedures will be practiced using visual and instrument references, use proper CRM techniques, exhibit positive exchange of control procedures, and display sound ADM skills. The student will obtain the instructional knowledge required to teach these subjects including the recognition, analysis, and correction of common student errors. This course will consist of 25 flight hours and up to 52.5 flight instructor hours for ground and pre/post flight briefings. *Prerequisites: Commercial Instrument Pilots Certificate- Rotorcraft Helicopter, permission of chair and instructor.*
- AFT L228 Helicopter R22 Transition Currency Pilot Lab (1)**
This course will prepare the student to be able to operate the Robinson R22 helicopter in VFR operations. The course is intended to familiarize/re-familiarize the student with R22 aircraft systems, operating procedures and emergency procedures. This course will consist of 10 flight hours and up to 25 instructor hours for flight, pre/post briefings and ground lessons. *Prerequisites: Private Pilot Certificate- Rotorcraft Helicopter, permission of chair and instructor.*
- AFT L230 Helicopter R44 Transition Currency Pilot Lab (1)**
This course will prepare the student to be able to operate the Robinson R44 helicopter in VFR Helicopter R44 operations. The course is intended to familiarize/re-familiarize the student with R44 aircraft systems, operating procedures and emergency procedures. This course will consist of 10 flight hours and up to 25 instructor hours for flight, pre/post briefings and ground lessons. *Prerequisites: Private Pilot Certificate- Rotorcraft Helicopter, permission of chair and instructor.*

- AFT L232 Helicopter R66 Turbine Transition Currency Pilot Lab (1)**
This course will prepare the student to be able to operate the Robinson R66 turbine helicopter in VFR operations. The course is intended to familiarize/re-familiarize the student with turbine aircraft systems, operating procedures, limitations and emergency procedures. This course will consist of 10 flight hours and up to 25 instructor hours for flight, pre/post briefings and ground lessons. *Prerequisites: Private Pilot Certificate- Rotorcraft Helicopter, permission of chair and instructor.*
- AFT L234 Helicopter Bell 407 Turbine Transition Currency Pilot Lab (1)**
This course will prepare the student to be able to operate the Bell 407 turbine helicopter in VFR operations. The course is intended to familiarize/re-familiarize the student with turbine aircraft systems, operating procedures and emergency procedures. This course will consist of 10 flight hours and up to 30 instructor hours for flight, pre/post briefings and ground lessons. *Prerequisites: Private Pilot Certificate- Rotorcraft Helicopter, permission of chair and instructor.*
- AFT L236 Helicopter Night Vision Goggle Flight Lab (1)**
The Night Vision Goggle (NVG) course will prepare the student to safely operate a helicopter at night utilizing Night Vision Goggles. This course will consist of 10 flight hours and up to 30 instructor hours for flight, pre/post briefings and ground lessons. *Prerequisites: Private Pilot Certificate- Rotorcraft Helicopter, permission of chair and instructor.*
- AFT L238 Helicopter External Load Flight Lab (1)**
The external load course will prepare the student to safely operate a helicopter with a jettisonable external load. This course will consist of 15 flight hours and up to 38 instructor hours for flight, load pre/post briefings and ground lessons. *Prerequisites: Private Pilot Certificate- Rotorcraft Helicopter, permission of chair and instructor.*
- AFT L240 Helicopter Mountain Operations Flight Lab (1)**
The Mountain Operations course will only be offered at the Hawaii location. The course will prepare the student to safely operate a helicopter in mountainous terrain, while accounting for decrease aircraft performance due to increased density altitudes. This course will consist of 15 flight hours and up to 38 instructor hours for flight, pre/post briefings and ground lessons. *Prerequisites: FAA Private Helicopter Certificate*
- AFT L250 Airplane Private Pilot 1 lab (2)**
This course covers aviation fundamentals as required by FAA regulations for students pursuing a Private Pilot Airplane Certificate. Ground topics covered include helicopter components and systems, instruments, basic aerodynamics, principles of flight, airport operations, performance and limitations, airspace, FAR/AIM, aviation weather, navigational assistants, communication, and flight planning. The flight portion of the course develops basic aeronautical skills necessary for the student's first solo flight. Topics covered include gaining proficiency in all procedures and maneuvers neces-

sary for solo flight, night traffic patterns, hazardous flight conditions, and emergency procedures. This course will consist of 40 flight hours and up to 80 flight instructor hours for ground and pre/post flight briefings. *Prerequisites: permission of department chair and instructor.*

AFT L252 Airplane Private Pilot II Lab Fixed-Wing (2)

This course covers aviation fundamentals as required by FAA regulations for students pursuing a Private Pilot Airplane Certificate. Ground topics covered include review and understanding of all aircraft systems and flight requirements necessary to attain a Private Pilots Certificate to include flight planning and night operations. The flight portion of this course will develop requisite aeronautical skills, knowledge and proficiency to the standards necessary to take the FAA Private Pilot Practical Exam. In addition, students will also train in night and cross-country flight operations. This course will consist of 40 flight hours and up to 50 flight instructor hours for ground and pre/post flight briefings. *Prerequisite: Private Pilot I Lab permission of chair and instructor.*

AFT L254 Airplane Instrument Pilot Lab (2)

This course covers the study of instrument flight fundamentals as required by FAA regulations for students pursuing an Instrument rating. Ground topics covered include being introduced to principles of basic attitude instrument flight and the function of navigational aids/receiving equipment in the IFR environment. This includes holding procedures, FAR/AIM regulations, ATC communication, and IFR approach procedures. As well as emergency flight procedures and meteorology affects for IFR flight. The flight portion of the course will develop requisite aeronautical skills, knowledge and proficiency to the standards necessary to take the FAA Instrument Practical Exam. Flight topics covered include basic attitude flying, emergency procedures, IFR navigational procedures, IFR approaches, holdings, ILS and VOR systems, and cross country flight via instrument navigation. This course will consist of 45 flight hours and up to 42.5 flight instructor hours for ground and pre/post flight briefings. *Prerequisites: Private Pilot Certificate - Airplane, permission of chair and instructor.*

AFT L256 Airplane Commercial Pilot Lab I (3)

This course covers aviation fundamentals as required by FAA regulations for students engaging in a Commercial Pilot Certificate. Topics covered include a more in-depth study and understanding of aerodynamics of the aircraft, components and instruments, principles of flying, flight planning, weather, navigation charts, communication systems, and FAA regulations. The flight portion of this course will further develop private pilot level skills and introduce fundamental commercial flight skills and knowledge necessary to safely operate a helicopter in VFR environments, day and night cross country flights, solo flights and as PIC. Topics covered include flight planning, off-airport operations, basic commercial maneuvers, instrument flight and aeronautical decision making. This course will consist of 60 flight hours and up to 55 flight instructor hours for ground instruction and pre/post flight briefings. *Prerequisite: Private Pilot Certificate-Airplane, permission of chair and instructor.*

AFT L258 Airplane Commercial Pilot Lab II (3)

This course covers the study of commercial flight fundamentals as required by FAA regulations for students pursuing a Commercial Pilot Certificate. Ground topics covered include a review of prior Private Ground School and Commercial Pilot I material plus review CFRs related to commercial pilot operation, Publication, Certificates, Documents and Maintenance, Aeromedical factors, Aeronautical Decision Making and Judgment, Advanced Flight Maneuvers, High Altitude Operations and Emergency procedures. The flight portion of this course will develop essential flight skills, knowledge and proficiency to Practical Test Standards to prepare for the FAA Commercial Pilot Check Ride. Emphasis will be given to training in advanced helicopter commercial maneuvers and night flight mastery. This course will consist of 63 flight hours and up to 75 flight instructor hours for ground instruction and pre/post flight briefings. *Prerequisites: Airplane Commercial Pilot I Lab, permission of chair and instructor.*

AFT L260 Airplane—Certified Flight Instructor (CFI) Pilot Lab (2)

This course covers the aeronautical experience necessary to meet the requirements for a Certified Flight Instructor Airplane certificate. Ground topics covered include Fundamentals of Instruction, principles of attitude instrument flying, ATC procedures, meteorology, and IFR navigational charts. The applicant will obtain the instructional knowledge required to teach these subjects including the recognition, analysis, and correction of common student errors. During the flight training, appropriate maneuvers and procedures will be practiced using visual and instrument references, use proper CRM techniques, exhibit positive exchange of control procedures, and display sound ADM skills. This course will consist of 25 flight hours and up to 105 flight instructor hours for ground and pre/post flight briefings. *Prerequisites: Commercial Instrument Pilot Certificate-Airplane, permission of chair and instructor.*

AFT L262 Airplane— Certified Flight Instructor (CFII) Pilot Lab (1)

This course covers the aeronautical experience necessary to meet the requirements for a Certified Flight Instructor Instrument Airplane Certificate. Ground topics covered include review of the Fundamentals of Instruction, principles of attitude instrument flying, ATC procedures, meteorology, and IFR navigational charts. The applicant will obtain the instructional knowledge required to teach these subjects including the recognition, analysis, and correction of common student errors. During the flight training, appropriate maneuvers and procedures will be practiced using visual and instrument references, use proper CRM techniques, exhibit positive exchange of control procedures, and display sound ADM skills. The student will obtain the instructional knowledge required to teach these subjects including the recognition, analysis, and correction of common student errors. This course will consist of 25 flight hours and up to 60 instructor hours for ground and pre/post flight briefings. *Prerequisites: Commercial Instrument Pilot Certificate— Airplane, permission of chair and instructor*

AFT 2270	Commercial Multi-Engine Airplane ADD On (2) This course covers the aeronautical experience necessary to meet the requirements for a Commercial Multi-Engine Add On for those pilots who already possess a Commercial Single-Engine Airplane. This course will consist of 10 flight hours and up to 25 flight instructor hours for ground and pre/post flight briefings. <i>Prerequisites: Commercial Single-Engine Certificate– Airplane, permission of chair and instructor.</i>	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.
AFT 2272	Commercial Single Engine Land Airplane ADD On (2) This course covers the aeronautical experience necessary to meet the requirements for a Commercial Single-Engine Add On for those pilots who already possess a Commercial Multi-Engine Airplane Certificate. This course will consist of 10 flight hours and up to 25 instructor hours for ground and pre/post flight briefings. <i>Prerequisites: Commercial Multi-Engine Certificate– Airplane, permission of chair and instructor.</i>	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.
AFT 2274	Certified Flight Instructor Multi-Engine Airplane ADD On (1) This course covers the aeronautical experience necessary to meet the requirements for a Certified Flight Instructor Multi-Engine ADD-On for those pilots who already possess a Certified Flight Instructor Single-Engine Certificate. This course will consist of 15 flight hours and up to 30 flight instructor hours for ground and pre/post flight briefings. <i>Prerequisites: Certified Flight Instructor Single-Engine Certificate–Airplane, permission of chair and instructor</i>	ANT 3312	Field Techniques in Archaeology (3) Instruction in survey and excavation methods and techniques used in the discipline of archaeology.
AFT 2276	CFI Single Engine Land Airplane ADD-On (1) This course covers the aeronautical experience necessary to meet the requirements for a Certified Flight Instructor Single-Engine ADD-On for those pilots who already possess a Certified Flight Instructor Multi-Engine Certificate. This course will consist of 25 flight hours and up to 65 flight instructor hours for ground and pre/post flight briefings. <i>Prerequisites: Certified Flight Instructor Multi-Engine Certificate–Airplane, permission of chair and instructor</i>	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 3320	Prehistory of North American Indians (3) An examination of the aboriginal cultures of North American 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 3325	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 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.
<hr/> ANTHROPOLOGY COURSES (ANT) <hr/>			
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. <i>This course is prerequisite for all 3300 and 4400 level courses in anthropology. This course does not count toward the 36-hour major.</i>	ANT 3340	Language in Culture and Society (3) A sociological and anthropological examination of language from a descriptive, historical and social perspective.
ANT 2280	World Religions (3) Historical development and basic beliefs of the world's major religions.	ANT 3360	Magic, Witchcraft and Religion (3) An anthropological examination of the role of religion and the supernatural among traditional peoples.
ANT 3305	Introduction to Archaeology (3) An examination of the methods and theory of traditional and contemporary approaches to archaeological research.	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 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 4440 Culture in the Media (3)
This course introduces students to Anthropology by means of a focus on the connections between the media of mass communication and multiple forms of popular art and culture.
Prerequisite: ANT 2200.

ANT 4445 Aboriginal People of Australia (3)
This course will focus on the ethnography of the aboriginal people of Australia. It will cover such areas of culture as kinship, political systems, social organization, religion, and the interaction between aboriginal people and the non-aboriginal people of Australia. *Prerequisite: ANT 2200.*

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. *Prerequisite: ANT 2200*

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 2200, Senior status or permission of instructor.*

ARABIC COURSES (ARB)

ARB 1101 Introductory Arabic I (3)
Introduction to the Modern Standard Arabic language.

ARB 1102 Introductory Arabic II (3)
Introduction to the Modern Standard Arabic language. *Prerequisite: ARB 1101 or permission of instructor.*

ARB 2201 Intermediate Arabic I (3)
Progressive development of basic language skills in Arabic. *Prerequisite: ARB 1102 or permission of instructor.*

ARB 2202 Intermediate Arabic II (3)
Progressive development of basic language skills in Arabic. *Prerequisite: ARB 2201 or permission of instructor.*

ART AND DESIGN COURSES (ART)

ART 1133 Visual Arts (2)
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 (2)
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: ART2201*
- ART 2205 3D Studio II (3-5)**
Fundamental concepts in sculpture. Emphasis on traditional subtractive and additive techniques in a variety of media.
- ART 2206 2D Studio II (3-5)**
Fundamental concepts in painting. Basic techniques in application using transparent and opaque painting media. *Prerequisites: ART 2230.*
- 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 I (3-5)**
Introduction to the fundamentals of black and white darkroom photography. *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 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 nine 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 using a variety of desktop software including writing HTML. *Prerequisites: ART 1145, ART 2201 or ART 2210*
- ART 3310 <<dti>> Time/Sound (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 nine hours. Prerequisites: ART 1145, 2201.*
- ART 3320 Ancient and Medieval Art (3)**
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 Photo Studio II (3-5)**
Exploration of technical and artistic aspects of color photography. Concentration on color slide/transparency photography as a source of images for such markets as magazines, advertising, books, and a variety of other publications. *Prerequisite: ART 2228 and ART 2230.*
- ART 3330 2D Studio III (3-5)**
Advanced concepts in two-dimensional media. Studio focus on specific painting, and mixed media techniques. *May be repeated for credit up to nine 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 9 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 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. *Prerequisite: admission to TEP.*
- ART 3348 Photo Studio III (3-5)**
Exploration of lighting, backgrounds, color harmony, composition, and other aspects of studio photography. Film and digital means utilized for capturing images. *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.*
- ART 3380 Travel Study in Art/Photography (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)**
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 <<dit>> majors. *May be repeated for credit up to nine hours. Prerequisite: ART 3315 and ART 3324 or permission from the department chair.*

ART 4428 Photo Studio IV (3-5)

Advanced projects in photography. Collaboration with clients, designers, writers and others in the development of photographic solutions. *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 nine 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 nine hours. Prerequisite: ART 3331.*

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 nine 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; Corequisite: 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.*

AIR FORCE ROTC/AEROSPACE COURSES (AS)

AS 3312 Air Force Leadership Studies I (3)

The first of two courses that study leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and communication skills required of an Air Force officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied.

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. *Corequisite: AS 3312.*

AS 3313 Air Force Leadership Studies II (3)

The second of two courses that study leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and communication skills required of an Air Force officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied.

Prerequisite: AS 3312.

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.*

Corequisite: AS 3313.

AS 4412 National Security Affairs/Preparation for Active Duty I (3)

The first of two courses that examine the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining communication skills. *Prerequisite: AS 3312.*

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.

Corequisite: AS 4412.

AS 4413 National Security Affairs/Preparation for Active Duty II (3)

The second of two courses that examine the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining communication skills.

Prerequisite: 4412.

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.

Corequisite: AS 4413.

**AMERICAN SIGN LANGUAGE COURSES
(ASL)**

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.

hands-on-approach application of competencies and proficiencies that were learned in previous clinical experiences and skills introduced in AT 3302. *Prerequisite: Acceptance into ATEP, AT 3301.*

AT 3394 Lifting Techniques for Conditioning and Rehabilitative Exercise (1)

Students will gain knowledge of spotting techniques, safety techniques, exercises, periodization and development of strength and conditioning programs on the physically active.
Prerequisite: AT 4447.

AT 3395 Care and Prevention of Athletic Injuries and Illnesses I (3)

Acquaints the entry-level athletic training student with athletic training educational competencies related to risk management, injury prevention, assessment and evaluation, psycho-social intervention and referral and health care administration. *Prerequisite: Acceptance into ATEP.*

ATHLETIC TRAINING COURSES (AT)

AT 1101 Orientation to Athletic Training Education (1)

Acquaints the Pre-Athletic Training Education student with the six cognitive domains of athletic training education and the athletic training education competencies.

AT L395 Care and Prevention of Athletic Injuries and Illnesses Lab (1)

Acquaints the entry-level athletic training student with athletic training educational competencies in the clinical proficiencies, risk management, injury prevention, assessment and evaluation, psycho-social intervention and referral, and health care administration. *Prerequisite: Acceptance into ATEP. Corequisite: AT 3395.*

AT 2201 Clinical Experiences in Athletic Training I (1)

Places the entry-level athletic training student in a variety of clinical settings. Laboratory and clinical experiences of AT 2201 will consist of basic clinical skills using a hands-on-approach application of competencies and proficiencies that are introduced in the didactic setting. *Prerequisite: Acceptance into ATEP (first-year status). Corequisite: AT 3395.*

AT 3396 Evaluation of Athletic Injuries and Illnesses I (3)

Acquaints the entry-level athletic training student with athletic training educational competencies as they relate to acute care of injuries and illnesses to the lower extremity of the human body. *Prerequisite: Acceptance into ATEP.*

AT 2202 Clinical Experiences in Athletic Training II (1)

Places the entry-level athletic training student in a variety of clinical settings including but not limited to college/university, general medical, and clinic/outreach. Laboratory and clinical experiences in AT 2202 will consist of basic clinical skills using a hands-on-approach application of competencies and proficiencies that were learned in AT 2201 and skills introduced in AT 2202.
Prerequisite: Acceptance into ATEP (first-year status), AT 2201.

AT L396 Evaluation of Athletic Injuries and Illnesses I Lab (1)

Acquaints the entry-level athletic training student with athletic training educational competencies in the clinical proficiencies of injury prevention, assessment and evaluation, and acute care of injuries and illnesses as they relate to the lower extremity. *Co-requisite: AT 3396.*

AT 3301 Clinical Experiences in Athletic Training III (2)

Places the entry-level athletic training student in a variety of clinical settings including but not limited to college/university, general medical, and clinic/outreach. Laboratory and clinical experiences in AT 3301 will consist of basic clinical skills using a hands-on-approach application of competencies and proficiencies that were learned in previous clinical experience courses and skills introduced in AT 3301. *Prerequisite: Acceptance into ATEP, AT 2202.*

AT 3397 Evaluation of Athletic Injuries and Illnesses II (3)

Acquaints the entry-level athletic training student with athletic training educational competencies as they relate to injury prevention, assessment and evaluation, and acute care of injuries and illnesses to the upper extremity. *Prerequisites: AT 3396/L396.*

AT 3302 Clinical Experiences in Athletic Training IV (2)

Places the entry-level athletic training student in a variety of clinical settings including but not limited to college/university, general medical, and clinic/outreach. Laboratory and clinical experiences in AT 3302 will consist of basic clinical skills using a

AT L397 Evaluation of Athletic Injuries and Illnesses II Lab (1)

Acquaints the entry-level athletic training student with the knowledge of athletic training and educational competencies in the clinical proficiencies of injury prevention, assessment and evaluation, acute care of injuries and illnesses to the upper extremity.

Prerequisites: AT 3396/L396.
Co-requisite: AT 3397.

AT 3398 Organization and Administration for Athletic Trainers (3)

Students are introduced to management techniques, professional practice, insurance and health care administration that are encountered in athletic training. *Prerequisite:* AT 3397/L397.

AT 3399 General Medical Conditions Seminar (3)

A specialized course of general medical conditions designed for entry-level athletic training students with lectures made by various health professionals focusing on pathology and pharmacology.

AT 4401 Clinical Experiences in Athletic Training V (3)

Places the entry level athletic training student in a variety of clinical settings. Clinical Experience will apply clinical skills learned in all previous clinical courses in addition to the advancement and progression of competencies and proficiencies learned in this course. *Prerequisites:* Acceptance into ATEP, AT 3302

AT 4402 Athletic Training Field Experience (12)

Acquaints the entry-level athletic training student with the opportunity to gain practical experience within a clinical and or traditional setting. The student will apply didactic academic preparation at their chosen professional setting. *Prerequisite:* AT 4401.

AT 4447 Therapeutic Modalities (3)

Acquaints the entry-level athletic training student with athletic training educational competencies as they relate to the use of therapeutic modalities. *Prerequisites:* AT 3397/L397.

AT L447 Therapeutic Modalities Lab (1)

Lab accompanying AT 4447. Students will learn psychomotor skills through the clinical application of therapeutic modalities on the physically active. *Co-requisite:* AT 4447.

AT 4448 Therapeutic Exercises (3)

Acquaints the entry-level athletic training student with the knowledge of the athletic training educational competencies as they relate to the use of therapeutic exercises. *Prerequisites:* AT 3301, 4447.

AT L448 Therapeutic Exercises Lab (1)

Lab accompanying AT 4448. Students will learn psychomotor skills through the clinical application of therapeutic exercise on the physically active. *Corequisite:* AT 4448.

BIOLOGY COURSES (BIO)

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 course cannot be applied toward any curriculum in biology. *Co-requisite:* BIO L100.

BIO L100 Principles of Biology Lab (1-2)

Scientific method, measurements, microscopy, cell structure, human biology, cell reproduction, heredity, and ecology. Credit for this 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 2202 Principles of Environmental Science (3)

The consequences of human activities on the environment, emphasizing current global problems, social attitudes, and potential solutions. *Prerequisites:* BIO 1100/L100. *Co-requisite:* BIO L202.

BIO L202 Principles of Environmental Science Lab (1-3)

Laboratory and field-oriented experiences designed to enhance understanding of environmental concepts and issues. *Prerequisites:* BIO 1100/L100. *Co-requisite:* BIO 2202.

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 comparative morphology, organelle structure and function, and cell physiology. *Prerequisites:* BIO 1101/L101. *Co-requisite:* BIO L220.

BIO L220 Principles of Cell Biology Lab (1)

Laboratory studies of cell biology with an emphasis on cell anatomy, function and specialization. *Prerequisite:* BIO 1101/L101. *Co-requisite:* BIO 2220.

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 compo-

nents 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 3308 Vertebrate Zoology (3)

Taxonomy, structure, life histories, behavior, and distribution of vertebrates.

Prerequisites: BIO 1101/L101.
Co-requisite: BIO L308.

BIO L308 Vertebrate Zoology Lab (1-3)

Taxonomy, structure, life histories, and behavior of vertebrates. *Prerequisites:* BIO 1101/L101.

Co-requisite: BIO 3308.

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 3326 Plant Diversity (3)

Taxonomy, structures, reproduction, and life cycles of fungi, algae, bryophytes, and vascular plants.

Prerequisites: BIO 1101/L101.
Co-requisite: BIO L326.

BIO L326 Plant Diversity Lab (1-3)

Taxonomy, structures, reproduction, and life cycles of fungi, algae, bryophytes, and vascular plants.

Prerequisites: BIO 1101/L101.
Co-requisite: BIO 3326.

BIO 3328 Environmental Pollution and Control (3)

Sources, effects, and methods of control for air, water, land, and noise pollution. *Prerequisites:* BIO 2202/L202, 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 2202/L202, 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, adaptation 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 immuni-

ty, 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 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.
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, BIO 3320/L320, 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, BIO3320/L320, 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 4430 Applied Genetics Lab (1-3)

Advanced studies in genetics with emphasis on cytogenetics, microbial genetics and molecular genetics. *Prerequisites:* BIO 3320/L320, BIO 3372/L372, CHM 3343/L343. *Co-requisite:* BIO L430.

- BIO L430 Applied Genetics Lab (1-3)**
Methods and procedures used in the study of cyto-genetic, microbial genetics, and molecular genetics. Prerequisites: BIO 3320/L320, 3372/L372, CHM 3343/L343. Co-requisite: BIO 4430
- BIO 4432 Comparative Vertebrate Anatomy (3)**
Detailed study of vertebrate organ systems with emphasis on structural and functional morphology and evolutionary relationships. Prerequisites: Any 3000-level biology lecture and lab. Co-requisite: BIO L432.
- BIO L432 Comparative Vertebrate Anatomy Lab (1-3)**
Detailed study of the shark, mudpuppy, and cat with emphasis on structural and functional morphology. Prerequisites: Any 3000-level biology lecture and lab. Co-requisite: BIO 4432.
- BIO 4433 Embryology (3)**
Embryonic development of vertebrates. This course links cellular and molecular mechanisms to morphogenesis. Prerequisites: BIO 3320/L320, 3372/L372, CHM 3343/L343. Co-requisite: BIO L433.
- BIO L433 Embryology Lab (1-3)**
Embryonic development of vertebrates as illustrated by the frog, chick, and pig. Lab includes experimental investigations of developing systems. Prerequisites: BIO 3320/L320, 3372/L372, CHM 3343/L343. Co-requisite: BIO 4433.
- BIO 4445 Ichthyology (3)**
Morphology, anatomy, physiology, taxonomy, life histories, distribution, and adaptations of fishes. Prerequisites: BIO 1101/L101, 2229/L229. Co-requisite: BIO L445.
- BIO L445 Ichthyology Lab (1-3)**
Structural features, identification, and classification of freshwater and marine fishes. Prerequisites: BIO 1101/L101, 2229/L229. Co-requisite: BIO 4445.
- BIO 4446 Herpetology (3)**
Morphology, anatomy, physiology, taxonomy, life histories, distribution, and adaptations of amphibians and reptiles. Prerequisites: BIO 1101/L101, 2229/L229. Co-requisite: BIO L446.
- BIO L446 Herpetology Lab (1-3)**
Structural features, identification, and classification of amphibians and reptiles. Prerequisites: BIO 1101/L101, 2229/L229. Co-requisite: BIO 4446.
- BIO 4447 Ornithology (3)**
Morphology, anatomy, physiology, taxonomy, life histories, distribution, and adaptations of birds. Prerequisites: BIO 1101/L101, 2229/L229. Co-requisite: BIO L447.
- BIO L447 Ornithology Lab (1-3)**
Structural features, identification, and classification of birds. Prerequisites: BIO 1101/L101, 2229/L229. Co-requisite: BIO 4447.
- BIO 4448 Mammalogy (3)**
Morphology, anatomy, physiology, taxonomy, life histories, distribution, and adaptations of mammals. Prerequisites: BIO 1101/L101, 2229/L229. Co-requisite: BIO L448.
- BIO L448 Mammalogy Lab (1-3)**
Structural features, identification, and classification of mammals. Prerequisites: BIO 1101/L101, 2229/L229. Co-requisite: BIO 4448.
- BIO 4451 Toxicology (3)**
Principles related to the adverse effects of chemicals on living organisms. Prerequisites: CHM 3342/L342. Co-requisite: BIO L451.
- BIO L451 Toxicology Lab (1-3)**
Assessment of the toxicity of chemical agents following standard protocols. Prerequisites: CHM 3342/L342. Co-requisite: BIO 4451.
- BIO 4452 Industrial Hygiene (3)**
Identification and correction of chemical, biological, and physical hazards in and around the workplace. Prerequisites: CHM 3343/L343. Co-requisite: BIO L452.
- BIO L452 Industrial Hygiene Lab (1-3)**
Methods and procedures for sampling, analyzing, and evaluating chemical, biological, and physical agents in the workplace. Prerequisites: CHM 3343/L343. Co-requisite: BIO 4452.
- 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 PHY 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 4478 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, 3372/L372, CHM 3343/L343. Co-requisite: BIO L478.*
- BIO L478 Cell Biology Lab (1-3)**
Experimental approaches for studying cells at the biochemical and molecular levels. *Prerequisites: BIO 3320/L320, 3372/L372, CHM 3343/L343. Co-requisite: BIO 4478.*
- 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; 2202/L202 or 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; 2202/L202 or 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.

BUSINESS COURSES (BUS)

BUS 3310 Innovative Practices and Thoughts (1)

This course introduces students to fundamental concepts in business, entrepreneurship, leadership, innovative business practices, current business issues, and contemporary business thinking.

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.*

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 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: Lower-level Core, MGT 3300.

BUS 4480 Business Seminar (3) (required-capstone)

The purpose of this course is to strengthen the student's competencies in each of the major functional areas of business, including accounting, finance, global/international and business ethics issues. The course focuses on an application and understanding of business via case studies and experiential activities. *Senior standing and completion of/or concurrent enrollment in remaining business core courses. It is recommended that this course be taken concurrently with the BSBA capstone course, MGT 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.*

CROSS DISCIPLINE COURSES (CDC)

Please consult the index of this catalog to locate additional information regarding cross discipline courses and/or experiential learning credit.

CHINESE (MANDARIN) COURSES (CHI)

CHI 1101 Introductory Chinese (Mandarin) I (3)

Introduction to the Chinese (Mandarin) language.

CHI 1102 Introductory Chinese (Mandarin) II (3)

Introduction to the Chinese (Mandarin) language.

Prerequisite: CHI 1101 or permission of instructor.

CHI 2201 Intermediate Chinese (Mandarin) I (3)

Progressive development of basic language skills in Mandarin Chinese. *Prerequisite: CHI 1102 or permission of instructor.*

CHI 2202 Intermediate Chinese (Mandarin) II (3)

Progressive development of basic language skills in Mandarin Chinese. *Prerequisite: CHI 2201 or permission of instructor.*

CHEMISTRY COURSES (CHM)

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 (1-2)

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 (1-3)

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 (1-3)

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 (1-3)

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 (1-3)

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 (1-3)

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 (1-3)

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 (1-3)

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 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.*
- CHM L444 Advanced Inorganic 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. *Prerequisite or 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 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, selection 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 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 to 3 credit hours)

Principles of preparing and presenting an oral presentation on a selected chemical topic in the current literature.

CRIMINAL JUSTICE COURSES (CJ)

- 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 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.
Pre-requisite: CJ 1101.

- 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 Private and Public Security Administration (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 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 comprehen-

sion, 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 Introduction to Social Scientific Inquiry (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 Application of Social Scientific Inquiry (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 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 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 4435 Grant Writing (3)**
A detailed examination of how to apply to governmental and private entities for funding of various programs and projects in the field of criminal justice.
- 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 and Evidence (3)**
A detailed examination of what is necessary to solve criminal cases and prove guilt beyond a reasonable doubt in court. Emphasis on leadership and management actions taken to enhance investigative efforts in law enforcement operation.
- 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 4462 Polygraph: History and Investigative Applications (3)**
An historical perspective of the polygraph and an overview of legal issues concerning clinical polygraph examinations, criminal specific examinations, and the limitations of polygraphs.
- 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 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.
Prerequisite: CS 3375 or CS 4445.
- 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. *Prerequisite: Completion of all other courses in the Cyber Security Minor or Certificate program.*
- 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.
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- CLASSICS COURSES (CLA)**
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- 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 Guided Independent Research (1 to 3 credit hours per course per semester)**
Additional information is indexed under Independent Study and Research.
- CLA 4492 Guided Independent Research (1 to 3 credit hours per course per semester)**
Additional information is indexed under Independent Study and Research.
- CLA 4493 Guided Independent Study (1 to 3 credit hours per course per semester)**
Additional information is indexed under Independent Study and Research.
- CLA 4494 Guided Independent Study (1 to 3 credit hours per course per semester)**
Additional information is indexed under Independent Study and Research.

COMMUNICATION COURSES (COM)

- 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 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 3360 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.

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)

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 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 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.

COMPUTER SCIENCE COURSES (CS)

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 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 3380 Cyber Security (3)**
An introduction to communication security in computer systems and the Internet. The course covers critical network security services, including vulnerability, threats, authentication and access control, integrity and confidentiality of data, routing, firewalls, VPN, and web security.
Prerequisite: CS 4445 or CS 3375. 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 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 refactoring designs and design patterns, presented through the use of some object-oriented language.
Prerequisite: CS 3361.
- CS 4495 Special Topics in Computer Science (3)**
Topics in computer science that are not included in regular course offerings. Specific contents are announced in the course schedule for a given term.
Prerequisites: senior standing or consent of instructor.

DANCE COURSES (DAN)

- DAN 1112 Contemporary Technique I (2)**
Designed for the dance major, DAN 1112 is the study of beginning/intermediate Contemporary

dance, including dynamic alignment, body/mind connection, increased vocabulary and musicality, with emphasis on artistry through the contemporary aesthetic. *Prerequisite: Placement.*

DAN 1115 Ballet Technique I (2)

Designed for the dance major, DAN 1115 is the study of beginner/intermediate ballet technique, including safe and efficient alignment and clear articulation of movement vocabulary with emphasis on increased vocabulary and musicality. *Prerequisite: Placement.*

DAN 1130 Social Dance in the 21st Century (1)

A cross-cultural survey of theories and styles of dance, their relationship to societal contexts and other art forms.

DAN 1132 Beginning-Intermediate Contemporary for Non majors (1)

Refinement of technical skills in contemporary/modern dance at the intermediate level, including intermediate movement capabilities, rhythmic structures, spatial relationships, movement vocabulary with emphasis on aesthetic and expressive qualities that lead to performance. *Prerequisite: Placement.*

DAN 1134 Ballroom Dance

An introduction to social dancing with an emphasis on American ballroom dances (foxtrot, waltz, swing) and Latin ballroom dances (cha cha, mambo, tango). Equivalent to KHP 1134.

DAN 1135 Ballet I (1)

The development of technical skills in beginning ballet, including safe and efficient alignment and clear articulation of movement vocabulary with emphasis on increased vocabulary and musicality.

DAN 1136 Jazz I (1)

The study and application of the fundamental concepts, skills, movement vocabulary, and artistic expression specific to beginning jazz dance.

DAN 1137 Tap I (1)

Progressive development of beginning to low/intermediate movement concepts, skills, vocabulary, and styles specific to tap dance.

DAN 2200 Orientation to Dance (2)

Introduction to the basic concepts and principles common to ballet, contemporary and jazz dance through studio experience, discussions and concert attendance. This is a skills class.

DAN 2212 Contemporary Technique II (2)

Designed for the dance major, DAN 2212 is the study of intermediate modern, including dynamic alignment, body/mind connection, complex center and across the floor phrase work with increased vocabulary and musicality. *Prerequisite: Placement.*

DAN 2214 Pointe Ballet Technique I (2)

Designed for the female dance major, DAN 2214 is the foundational study of pointe work technique using specially reinforced shoes called pointe shoes. Students will focus on Barre and center work that will introduce the foundation and basics needed to strengthen the student's legs and torso to overcome the demands of dancing in pointe shoes. The class will offer an increased vocabulary specific to dance on pointe.

DAN 2215 Ballet Technique II (2)

Designed for the dance major, DAN 2215 is the further development of technical skills in intermediate ballet, including dynamic alignment, body/mind connection, with emphasis on self-expression through the ballet aesthetic, increased vocabulary and musicality. *Prerequisite: Placement*

DAN 2232 Contemporary II (2)

Refinement of technical skills in contemporary/modern dance at the intermediate/high intermediate level, including complex movement capabilities, rhythmic structures, spatial relationships, movement vocabulary with emphasis on aesthetic and expressive qualities that lead to performance. *Prerequisite: Audition placement or permission of the Department of Theatre and Dance.*

DAN 2235 Intermediate-Beginning Ballet: Non-majors (2)

Further development of technical skills in beginner/intermediate ballet, including dynamic alignment, body/mind connection, with emphasis on self-expression through the ballet aesthetic, increased vocabulary and musicality. *Prerequisite: Placement.*

DAN 2236 Jazz II (2)

The study and application of the fundamental concepts, skills, movement vocabulary and artistic expression specific to jazz dance. *Prerequisite: Placement.*

DAN 2237 Tap II (1)

Progressive development of intermediate to intermediate/high movement concepts, skills, vocabulary, and styles specific to tap dance. *Prerequisite: Placement.*

DAN 2250 Music Fundamentals for Theatre and Dance (2)

Fundamental music skills for theatre and dance, including those for musical theatre, stage management, dance, and actors. The course focuses on reading music (rhythm and melody), vocabulary, development of aural skills, and an introductory recognition of the piano keyboard.

DAN 2252 Methods of Teaching Dance (3)

Social, folk and square dancing, including basic rhythmic activities which can be taught in elementary, middle and high schools. Equivalent to KHP 2252.

- DAN 2289 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-20th 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 3XXX 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: Commercial Dance I.*

DAN 3360 Musical Theatre Dance II (2)

Further exploration of the genre of musical theatre dance examining storytelling, character, script, score, and mood through movement. This course will focus on late 20th century (1975 forward) and contemporary dance and movement styles related to theatre productions. *Prerequisite: DAN 1135 Ballet I.*

DAN 3380 Travel Study in Dance (3)

Supervised study of dance through travel abroad or within the United States. *May be repeated for credit. Prerequisite: Permission of instructor.*

DAN 3388 Dance Practicum I (1)

This course is designed to provide the student individual practical performance experience with Troy University Theatre or area or university dance productions, or choreographic opportunities that involve the students setting performance pieces on area dance companies, teams, studio classes or university theatre productions or teaching experience in area schools and/or studios.

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 16th through the 19th 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 20th century to the present.

Dance History II covers the forerunners and pioneers of modern dance; avant-garde and post-modernists; and the artists of jazz, tap, Broadway, film, and current media, introducing dance students to the innovators, dancers, and choreographers responsible for shaping 20th and 21st century dance.

DAN 4412 Contemporary Technique IV (2)

For the Dance major. Study of pre-professional modern dance, including dynamic alignment, body/mind connection, and increased vocabulary with emphasis on artistry through the contemporary aesthetic. Students will focus on complex center and across the floor combinations with an emphasis on musicality and a greater understanding of anatomical alignment. *Prerequisite: 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: Composition and Choreography I 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.*

DRAMA COURSES (DRA)

DRA 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: DRA 2200 and TROY 1101*

- DRA 2200 Introduction to Drama (2)**
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.
- DRA 2211 Theatre for Youth (1-3)**
The Ensemble performs well-known children's classics for Alabama elementary-age students and others. Ensemble membership is open by audition. The stress is on improvisation. *May be repeated for credit.*
- DRA 2221 Technical Theatre (2-3)**
A study of standard technical practices and equipment for the theatre.
- DRA 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. All majors must complete four semesters of DRA 2245 with a rotation of crew work in scenery, lighting, costumes, and marketing.
- DRA 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.
- DRA 3301 Acting I (2-3)**
A study of basic principles, terminology, and disciplines of the actor, including relaxation, concentration, movement, and characterization.
- DRA 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.
- DRA 3303 Makeup Techniques (1-2)**
A study of the theory and techniques of stage makeup. Includes makeup for theatre, film, and video.
- DRA 3304 Lighting Techniques (2-3)**
A study of stage lighting equipment and lighting practices.
- DRA 3313 Creative Drama (2)**
Study and application of the techniques of creative drama and children's theatre.
- DRA 3315 Audition and Portfolio Techniques (1-2)**
A study of the practices and tools of the actor/designer/technician in the development of the professional audition. It includes the resume, headshot, interview, prepared monologues, and portfolio. *Prerequisite: DRA 3301, 2245, or permission of instructor.*
- DRA 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: DRA 3301 and COM 2251 or permission of instructor.*
- DRA 3321 Scenic Design (3)**
The principles and techniques of drafting and designing in a variety of theatrical spaces. *Prerequisite: DRA 2221 and completion of the DRA 2245 rotation or permission of the instructor.*
- DRA 3325 Movement I (2)**
This course centers on the development of physical awareness and expressiveness as well as building an understanding for a psychophysical approach to acting. Beginning with an analysis of personal body use, the course will proceed to study various exercises, techniques, and theories of movement training designed to improve an actor's awareness of impulse and expressiveness of ideas. Rudolph Laban's Effort/Shape technique and Anne Bogart's Viewpoints technique are central to the course.
- DRA 3326 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: DRA 3301, DRA 3316 and DRA 3350*
- DRA 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.*
- DRA 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 DRA 2245 rotation or permission of the instructor.*
- DRA 3344 Lighting Design (3)**
A study of the principles of lighting design and equipment applications. Also covers drafting techniques for lighting. *Prerequisite: DRA 3304 and completion of the DRA 2245 rotation or permission of the instructor.*
- DRA 3345 Advanced Stagecraft Lab (1-3)**
A continuation of Stagecraft Lab designed for the upper level student. *Prerequisites: DRA 2245 rotation or permission of instructor.*

- DRA 3346 Educational Assessment (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.
Prerequisite: admission to TEP.
- DRA 3350 Script Analysis (2)**
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.
- DRA 3352 Sound Techniques (2)**
A study of digital and analog recording techniques, recording equipment, and application.
- DRA 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.
- DRA 3360 Playwriting (3)**
This course is an introductory class for beginning and experienced writers of plays. The course is designed to work with the basic building blocks of dramatic structure, the exploration of developing character, the elements of writing good dialogue, methods of how to get plays published and different marketing tools. A playwright's reading of original work from the class will be held.
Prerequisites: DRA 2200, DRA 3301 or DRA 3350, ENG 1102, OR permission of the Department of Theatre and Dance.
- DRA 3380 Travel Study in Theatre (3)**
Supervised study of theatre through travel abroad or within the United States. *May be repeated for credit. Prerequisite: Permission of instructor.*
- DRA 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.
- DRA 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.*
- DRA 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
- DRA 4451 Directing I (3)**
Script analysis and directing principles with studies in the direction of scenes from contemporary plays.
Prerequisite: DRA 3301.
- DRA 4452 Directing II (2-3)**
Advanced study of directing, extending to period styles and culminating with the production of a one-act play. *Prerequisites: DRA 3301, 4451.*
- DRA 4455 Theatre Senior Capstone (2)**
Comprehensive exit assessment of student competencies in theatre. The student will develop a major field-related project, pass an exit exam, complete a program assessment and take the Praxis II in the theatre content area. Project proposals must be submitted prior to the semester in which they will be developed. Final grade will be determined by speech and theatre faculty.
- DRA 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: DRA 4451, junior status.
- DRA 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. Corequisite: IED 4454
- DRA 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: DRA 3313, 4456, EDU 3310, admission to TEP*
- DRA 4491-92 Guided Independent Research (1 to 3 credit hours per course)**
Information is indexed under Independent Study and Research.
- DRA 4493-94 Guided Independent Study (1 to 3 credit hours per course)**
Information is indexed under Independent Study and Research.

DRA 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.

INTERNATIONAL ECONOMIC DEVELOPMENT COURSES (ECD)

ECD 3360 Principles of International Economic Development (3)

This introductory course offers a global perspective on the theoretical concepts associated with economic growth and development.

ECD 3362 Applied Spatial Analysis for Business (3)

This introductory course prepares students to become decision makers able to analyze business data, both internal and external, from a spatial perspective utilizing geographic information systems software.

ECD 4461 Advanced Applied Spatial Analysis for Business (3)

This course prepares students to conduct advanced economic development-related research through the application of geographic information systems software. *Prerequisite: ECD 3362*

ECD 4499 Field Experiences in International Economic Development (3)

This course integrates academic knowledge with practical skills to develop professional abilities through economic development fieldwork. *Prerequisites: ECD 3360, 3362.*

EARLY CHILDHOOD EDUCATION COURSES (ECE)

ECE 3310 Portrait of a Learner: Logico-Mathematical Knowledge (3)

The purpose of this course is to assist students as they investigate and construct operational knowledge of young children's construction of logico-mathematical knowledge. This course includes extensive laboratory experiences where students interact with diverse learners through observation and participation in the application of appropriate logico-mathematical knowledge experiences including technology and the investigation and evaluation of children's thinking. *Prerequisite: admission to the Teacher Education Program (TEP)*

ECE 3320 Portrait of a Learner: Physical Knowledge (3)

The purpose of this course is to assist students as they investigate and construct operational knowledge of young children's construction of physical knowledge. This course includes extensive laboratory experiences where students interact with diverse learners through observation and participation in the application of ap-

propriate physical knowledge experiences including technology and the investigation and evaluation of children's thinking. *Prerequisite: admission to TEP*

ECE 3330 Portrait of a Learner: Social and Moral Development (3)

The purpose of this course is to assist undergraduate students as they investigate and construct operational knowledge of children's social development. In addition, the undergraduate will interact with diverse learners through observation and participation in the application of appropriate social development experiences, including technology along with the investigation and evaluation of children's construction of social knowledge. *Prerequisite: admission to TEP*

ECE 3340 Portrait of a Learner: Language Acquisition (3)

The purpose of this course is to assist students as they investigate and construct an operational knowledge of young children's language and literacy acquisition. This course includes extensive laboratory 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 3350 Portrait of a Learner: Symbolic Function (3)

The purpose of this course is to assist students as they investigate and construct operational knowledge of young children's symbolic thought and representation through play, art, music, movement and drama. This course includes extensive laboratory experiences where students interact with diverse learners through observation and participation in the application of appropriate expressive arts experiences including technology and the investigation of children's representation of their knowledge. *Prerequisite: admission to TEP*

ECE 4401 The Integrated Program (3)

This course is designed as a culminating course for Early Childhood Education students to examine the integrated nature of the ECE program. This course includes extensive laboratory experiences where students interact with diverse learners as they plan, implement, and evaluate integrated curriculum, including technology, and the total ECE program. *Prerequisite: admission to TEP and completion of a minimum of 15 hours in the teaching field*

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; Corequisite: ECE Internship*

ECE 4465 Early Childhood Education Internship (1 to 3 credit hours)

Experiences in internship, i.e., observation, participating and teaching with supervision. Twenty-five

clock hours for each credit hour. *Prerequisite: Completion of all courses required by the State Department of Education and the approval of the Director of Professional Laboratory Experiences.*

ECE 4466 Early Childhood Education Internship (6)
Half-day observing and teaching under supervision. *Prerequisite: Holder of an Alabama Class B Teacher Certificate; successful completion of two years teaching experience in grades P-3; completion of all courses required for certification in Early Childhood Education and approval of the Director of the Professional Internship Program.*

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. Corequisite: ECE 4454*

ECE 4491–92 Guided Independent Research (1 to 3 credit hours)
Additional information is indexed under Independent Study and Research.

ECONOMIC COURSES (ECO)

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 Macroeconomics (3)
Macroeconomic theory of the national economy with emphasis on income, employment, banking and public policy. *Selection for course enrollment will be determined by Director of Honors Program and class instructor.*

ECO 2254 Honors Microeconomics (3)
Microeconomic theories of value, production, distribution of income and basic international economic analysis. *Selection for course enrollment will be determined by the Director of the Honors Program and class instructor.*

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 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 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 3365
- 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 4451 International Trade (3)**
Principles underlying international trade and international finance. *Prerequisite: ECO 2252.*
- 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 21st century. *Prerequisite: ECO 2251 or 2252.*
- ECO 4456 The Economic 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: QM 2241, ECO 2251, 2252.*
- 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 2252.*

EDUCATION COURSES (EDU)

- EDU 3305 Teaching with Technology**
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 3310 The Professional Educator (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 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.*
- 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 4476 Internship in Elementary/K-6 Collaborative Teacher (9)

The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: admission to TEP. Co-requisite: ELE 4454*

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."*

EDU 4499 Technology Across the Curriculum (3)

This course prepares the student to use a variety of technologies in developing curriculum and planning instruction for diverse learners in grades K-6. Attention is given to the history of technology, software selection and the integration of technology into the curriculum by matching technology resources and tools to instructional needs.

ELEMENTARY EDUCATION COURSES (ELE)

ELE 3360 Teaching Social Science in the K-6 Classroom (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*

ELE 3361 Teaching Natural Science in the K-6 Classroom (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*

ELE 3362 Teaching Mathematics in the K-6 Classroom (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 and 2252 with a grade of C or better*

ELE 4401 Integrated Program (3)

This course is designed as a culminating course for Elementary Education students to examine the integrated nature of the ELE program. This course includes extensive laboratory experiences where students interact with diverse learners as they plan, implement, and evaluate integrated curriculum including technology and the total ELE program. *Prerequisite: admission to TEP and completion of a minimum of 15 hours in the teaching field*

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. Corequisite: 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. Corequisite: 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."*

ENGLISH COURSES (ENG)

ENG 0096 Fundamentals of Grammar and Sentence Writing (3)

Developmental 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 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 re-

sumes. *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 (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 and 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 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, 19th, and 20th century novels written in English. *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. *Pre-*
- requisite: six semester hours of 2200-level ENG 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 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. Corequisite: 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 techniques. *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 4498-4499 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.*

ENGLISH AS A SECOND LANGUAGE (ESL)

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	<p>Grammar VI <i>Advanced</i> 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.</p>	FIN 4419	<p>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. <i>Prerequisite: FIN 3332</i></p>
ESL 1108	<p>Writing VI <i>Advanced</i> 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.</p>	FIN 4431	<p>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 3332 as well as other advanced topics. <i>Prerequisites: FIN 4432, FIN 4437.</i></p>
<hr/> FINANCE COURSES (FIN) <hr/>			
FIN 3331	<p>Financial Management I (3) Analysis, planning and control of finance decisions of a firm with emphasis on corporate structure. <i>Prerequisites: Lower-level Core, ACT 2291, ACT 2292, QM 2241, MTH 2201.</i></p>	FIN 4432	<p>Investments (3) Financial analysis of investments, including markets, institutions, and instruments with emphasis on security analysis, portfolio analysis, and financial planning. <i>Prerequisite: FIN 3332.</i></p>
FIN 3332	<p>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. <i>Prerequisites: FIN 3331.</i></p>	FIN 4434	<p>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. <i>Prerequisite: FIN 4432</i></p>
FIN 3333	<p>Financial Mathematics (3) Analysis of time value of money as it applies to loans, securities, banks, annuities, and insurance. <i>Prerequisite: MTH 2201 or higher.</i></p>	FIN 4435	<p>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. <i>Prerequisite: FIN 3332.</i></p>
FIN 3334	<p>Financial Statement Analysis (3) The process of understanding financial statements by financial analysts and credit analysts, and other uses of financial data. <i>Prerequisite: FIN 3332.</i></p>	FIN 4436	<p>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. <i>Prerequisite: FIN 4432</i></p>
FIN 3336	<p>Real Estate Finance I (3) Procedures and operations of real estate mortgage markets. <i>Prerequisite: FIN 3332.</i></p>	FIN 4437	<p>Financial Institutions (3) A comprehensive study of financial markets, institutions, instruments, etc. <i>Prerequisite: FIN 3332</i></p>
FIN 3337	<p>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.</p>	FIN 4438	<p>Bank Management (3) (capstone) Introduction and comprehensive overview of bank management. Topics include: organization, regula-</p>
FIN 3360	<p>Entrepreneurial Finance (3) This course covers financial issues related to entrepreneurship. The focus is on how to apply financial</p>		

tion, performance, asset management, liabilities management, credit policy, loan evaluation, global banking, bank mergers and acquisitions, etc.
Prerequisites: FIN 4431, FIN 4432, 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 3332

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.*

FOREIGN LANGUAGE COURSE (FLN)

FLN 3333 Seminar in World Languages (3)

A survey of the world's major language families with emphasis on the Indo-European languages and the evolution of Latin and Romance languages, coupled with intensive review in the student's major language in preparation for external oral and writing proficiency examinations.

FRENCH COURSES (FRN)

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 3301 Advanced French I (3)

Advanced-level reading, intensive work on composition, comprehensive treatment of French phonetics. *Prerequisite: FRN 2202 or permission of instructor.*

FRN 3302 Advanced French II (3)

Advanced-level reading, intensive work on composition, aural comprehension, and practical conversation facility. *Prerequisite: FRN 2202 or permission of instructor.*

FRN 3303 French Culture and Civilization (3)

A survey of the geography, history, cultural achievements, institutions and daily life of the French. *Prerequisite: FRN 3301 or 3302 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 4401 French Literature I (3)

French literature from the Middle Ages through the Revolution of 1789. *Prerequisite: FRN 3301 or 3302 or permission of instructor.*

FRN 4402 French Literature II (3)

French literature of the 19th and 20th centuries. *Prerequisite: FRN 3301 or 3302 or 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.

SURVEYING AND GEOMATICS SCIENCES COURSES (GEM)

GEM 1100 Computer-Aided Drafting (2)

This course provides students with the knowledge and skills necessary to create maps and plats. Topics of study include basic drafting principles, drawing set-up and scale, drawing commands, and orthographic projections. *Corequisite: GEM L110.*

- GEM L110 Computer-Aided Drafting Lab (2)**
The lab provides the opportunity for students to use computer-aided drafting software to complete project drawings under the direct supervision of a CAD professional. *Corequisite: 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: PHY 2252. Co-requisite: GEM L220.*
- 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. *Corequisite: 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. Co-requisite: GEM L309.*
- 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.*
- GEM L310 Boundary Retracement Seminar (1)**
The student gains practical field experience in an off-campus field boundary retracement project provided as a joint effort of Troy University, the Alabama Society of Professional Land Surveyors, and the Federal Bureau of Land Management. *Prerequisite: GEM 3310.*
- GEM 3330 Advanced Measurement Analysis (3)**
Survey equipment calibration, survey astronomy, 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, MTH 2210. Co-requisite: GEM L330.*
- GEM L330 Advanced Measurement Analysis Lab (1)**
Field laboratory experience gaining astronomic observations for azimuth, using EDM1 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. *Prerequisite: GEM 2220. Co-requisite: GEM L366.*
- GEM L366 Photogrammetry and Remote Sensing Lab (1)**
Use of computer software to view and enhance photographs, to form stereo models, to create digital elevation models, and produce orthophotos. The opportunity to use a softcopy photogrammetric workstation to generate map compilation products is provided to the student. *Corequisite: GEM 3366.*
- GEM L367 Digital Images in GIS (1)**
This laboratory provides the Geomatics/GIS student the opportunity to gain experience with digital image processing to use the vast inventory of digital images available for GIS projects. *Prerequisites: GEM 3366/L366.*
- GEM L371 Measurements for GIS (1)**
The laboratory provides the Geomatics/GIS student valuable hands-on field experience using instrumentation necessary to provide data for GIS Projects. Data will be acquired using the digitizer, mapping grade GPS receivers, and survey grade GPS receivers in the real-time kinematic mode. *Prerequisites: GEM 2220/L220.*
- GEM 3379 Introduction to Least Squares Adjustment (3)**
The application of the principles of least squares adjustment to compute optimized solutions to problems involving redundant data and the theory of error propagation. *Prerequisites: MTH 1126, GEM 3330. Co-requisite: GEM L379.*
- GEM L379 Introduction to Least Squares Adjustment Lab (1)**
The use of the software program Matlab to solve data adjustment problems and to analyze spatial data. Practical application of the theory of least squares adjustment and general error propagation to typical problems in geomatics. *Co-requisite: GEM 3379.*

- GEM 3390 Introduction to Geographic Information Systems (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. *Prerequisites: MTH 1112, -IS 2241. Co-requisite: GEM L390.*
- GEM L390 Introduction to GIS Lab (1)**
The laboratory provides the student the opportunity to learn ArcGIS-ArcView software in order to produce GIS products using existing databases. *Co-requisite: GEM 3390.*
- GEM 3391 Applications of Geographic Information Systems (3)**
This course provides a study of common applications of GIS with an emphasis on land information systems and land management. The course also provides further study in database design, digital base map analysis and testing, and spatial analysis. *Prerequisite: GEM 3390. Co-requisite: GEM L391.*
- GEM L391 Applications of GIS Lab (1)**
This laboratory provides the student the opportunity to learn and use ArcGIS-ArcInfo GIS to accomplish a full range of GIS applications. *Co-requisite: GEM 3391.*
- 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, the earth's gravity field, and the use of near earth satellites to measure the earth's surface. Important concepts developed in this course include coordinate systems, datums, map projections, coordinate transformations, and Geodetic survey. *Prerequisites: MTH 1125, PHY 2253. Co-requisite: GEM L408.*
- GEM L408 Geodesy and Geodetics Lab (1)**
Practice performing geodetic computations using the ellipsoid of revolution as reference surface. Major laboratory components are surveying network design and the use of dual-frequency survey-grade GPS equipment to extend survey control to the project site. *Co-requisite: GEM 4408.*
- 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: PHY 2253. Co-requisite: GEM L409.*
- 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: GEM 3379 Co-requisite: GEM L410.*
- GEM L410 Introduction to Global Positions Lab (1)**
This laboratory course provides students practical exercises of GPS theories, instruments, field work, and data processing and analysis. Computational laboratory and field work will be combined throughout the course. *Co-requisite: GEM 4410.*
- GEM 4490 Geomatics Capstone (1)**
This course prepares students for the national Fundamentals of Surveying exam to cover all aspects of the exam. *Prerequisite: GEO 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.

GEOGRAPHY COURSES (GEO)

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) (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 Demography (3)

Population growth, stabilization, decline, and structures in the context of societal change. This course may be taken for sociology credit.

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 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.

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.

GERMAN COURSES (GER)

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.

GREEK COURSES (GRK)

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. Note: The study of Greek may be continued under the headings of CLA 4400 Special Topics in Classics and CLA 4493-4494 Guided Independent Study. Also see index for "Independent Study and Research."*

HISTORY COURSES (HIS)

- 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 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 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 preColumbian times to the beginning of the independence movements of the early 19th 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**
Study of Latin America from the early 19th century to the present. Topics will include the cultural, social, political, and economic developments centuries as well as international and U.S. relations in the area. *Prerequisites: HIS 1122 and HIS 1123 or permission of instructor.*
- HIS 3330 Western Thought since the 17th Century (3)**
Principal ideas and political thinking from the Age of the Enlightenment to the present. *Prerequisites: HIS 1101, 1102 or HIS 1122, 1123 or permission of instructor.*
- HIS 3352 History of Africa (3)**
A survey of 19th and 20th 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 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 3356 History of the Middle East (3)

Background information on Islam, the Ottoman Empire, and Western influence sets the scene for a detailed study of political, economic, and social developments since World War II. *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 3362 Archival Methods and Practices (3)

This course will introduce students to the practical tasks performed by archivists in securing and preserving records, processing, arranging, describing, and providing access to them.

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, 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 4401 French Revolution and Napoleon (3)

A study of the 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 4403 Contemporary Europe (3)

Traces European history in the 20th century, including domestic developments, World War I, Great Depression, rise of totalitarianism, World War II, European integration, the Cold War, and the post-Cold War era. *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 the 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 the 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 Women, 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 Gilded Age and Progressive Era (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 Contemporary 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 History of American Women (3)**
An introduction to the history of women in America from the 17th century to the present, exploring the major economic, religious, social, and political ideas and developments which have shaped their status and role 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 sub-fields 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, 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 3315 The Vietnam War (3)**
A study of the period 1946 to 1975 in Indochina with emphasis on the 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)**
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 the 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 the 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 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 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 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, 1102 or HIS 1122, 1123 or permission of instructor.*
- HIS 4463 Age of Reason (3)**
Survey of European history in the 18th century, 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 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, 1102 or HIS 1122, 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, 1102 or HIS 1122, 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, 1102 or HIS 1122, 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, 1102 or HIS 1122, 1123 or permission of instructor.*
- HIS 4470 Oral History (3)**
An introduction to the methods and practice of oral history.
- HIS 4471 Local History (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 4472 Records Management (3)**
An introduction to the scope of managing records in an organization and to the practical tasks associated with establishing a records management program in a business, office of government, or non-profit organization.
- HIS 4473 Archives Practicum (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. Corequisite: 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 4484 History of Mexico (3)

A history of Mexico from pre-Columbian times to the present. The course follows social, cultural, political, and economic themes in the Mexican history, as well as Mexico's relationship with the United States. *Prerequisites: HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of the instructor.*

HIS 4485 The ABC Powers (3)

This course examines the social, cultural, diplomatic, political, and economic history of three of the largest and wealthiest Latin American nations Argentina, Brazil, and Chile. *Prerequisites: HIS 1101 and HIS 1102 or HIS 1122 and HIS 1123 or permission of the instructor.*

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.*

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 4496 Secondary Education Internship-History (9)

Additional information is indexed under The Professional Internship Program.

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 to 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.*

HEALTH COURSES (HLT)

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.*

UNIVERSITY HONORS PROGRAM COURSES (HON)

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. *Prerequisites: HON 1101 or permission of 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. Interdisciplinary topics are determined in advance by the Honors Council and honors director. *Prerequisite: HON 2200 or permission of the honors director.*
- HON 4400 University Honors Capstone Seminar in Leadership (3)**
The final course in the interdisciplinary sequence of University Honors courses is focused upon the subject of leadership, with specific leadership and service topics determined in advance by the Chancellor, the director of the honors program, and the director of the Institute for Leadership Studies.
- 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.

HOSPITALITY, SPORT, TOURISM MANAGEMENT COURSES (HSTM)

- 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.
- HSTM 3301 Social Psychology of Leisure (3)**
This course examines the concepts concerning leisure behavior in various types of recreation, sport, and tourism settings. Students will learn to apply theories and behavioral concepts required to understand and manage leisure environments.
- HSTM 3340 Principles of Recreation (3)**
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 3355 Introduction to Hospitality, Sport and Tourism Management (3)**
This course is a fundamental introduction to the leisure industry with an emphasis on the role and relevance of the industry to society. This course is designed to introduce students to an understanding of the various roles recreation, sport, hospitality management, and tourism have in society.
- HSTM 3360 Tourism Principles (3)**
This course is an introduction to the travel and tourism industry which provides students on overview of the scale, scope, and organization of the industry. Students will be exposed to a variety of concepts and subject areas related to travel and tourism. *Prerequisite: HSTM 3355.*
- HSTM 3372 Hospitality Management (3)**
A survey course providing an overview of the hospitality industry, its history, issues, and general operating procedures. *Prerequisite: HSTM 3355.*
- HSTM 3374 Hotel Management (3)**
This course prepares students to manage basic hotel operations including hotel organization, rooms, housekeeping, engineering and security, food and beverage, marketing, and financial control. *Prerequisite: HSTM 3355.*
- 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 3355.*
- HSTM 4488 Internship I in Hospitality, Sport, and Tourism Management (3)**
A supervised experience in planning, staging, and evaluating a form practicum in related field. This is the first part in a two part internship experience. *Prerequisite: HSTM 4443, permission of internship coordinator, and eTroy-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 44XX (Internship I) and permission of internship coordinator, and e-Troy home locator.*
- 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 3355

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 3355.

HSTM 4415 Tourism Impacts (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 3355.

HSTM 4417 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 3355.

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 Revenue Management in Hospitality (3)

This course investigates principles, concepts, and current trends in financial and revenue management as related to the hospitality industry.

Prerequisite: HSTM 3355.

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 3355.

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 Marketing in Hospitality, Sport and Tourism Management (3)

This course is designed to introduce the student to marketing practices of hospitality, sport and tourism. The course will review terminology, systems, techniques and processes that are used in the specialized application of hospitality, sport and tourism marketing. This course will also encourage students to consider how traditional marketing strategies may be applied to these substantial and growing industries.

Prerequisite: HSTM 3355.

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: HSTM 3355 and nine additional hours of 4000 level HSTM courses.

HSTM 4400 Governing Agencies in Sport

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: 3355.

HSTM 4443 Sport Administration (3)

This course is designed to provide the student with an understanding of the organization and administration of sport management related programs.

Senior standing or permission of instructor.

HSTM 4445 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 3355, MTH 1112.

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: HSTM 3355 and 12 semester hours of 4400-level HSTM courses.*

HSTM 4451 Sport Finance and Business (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 3355

HSTM 4452 Sport Communication (3)

This course provides the student with an opportunity to apply communication theories to the sport industry. Emphases are on the examination of public and media relations with a special focus on message development, image building, and crisis management for sport organizations.

HSTM 4453 Legal Aspects in Sport Management (3)

In this course the student will gain an appreciation for the legal and business matters that pertain to sport and related areas. Students will acquire working awareness and understanding of the basic legal and business responsibilities of coaches, sport managers and practitioners, along with an understanding of legal terms, concepts and issues that influence the management of programs. Students will also develop appreciation for business elements of sport, which encroach upon the law.

HSTM 4455 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 3355

HSTM 4457 Global Hospitality, Sport and Tourism Management (3)

This course allows students to obtain a global hospitality, sport and tourism management perspective by traveling and studying aboard. Classroom lectures, field trips and presentations from international hospitality, sport and/or tourism professionals and academicians will supplement the cultural experience.

Prerequisite: Successful completion of Troy Study Aboard Program requirements and fees and HSTM 3355.

HSTM 4460 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 3355.

HSTM 4465 Food and Beverage Service (3)

Study of basic and intermediate commercial food production management skills required in menu design along with food and beverage cost control.

Prerequisite: HSTM 3355

HSTM 4466 Restaurant Management (3)

Study of basics of restaurant management to include organizations, facilities design, equipment and environmental considerations, food safety, operational functions, and management.

Prerequisite: HSTM 3355.

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 3355, HSTM 4430.

HSTM 4490 Internship in Area of Concentration (6)

A supervised experience in planning, staging, and evaluating a formal practicum in related field. *Prerequisite: HSTM 4443, HSTM 4499 and permission of internship coordinator, 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 Research (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 interview, develop a career path portfolio, and undergo a supervised experience in a related field. *Prerequisite: course must be taken semester prior to internship (HSTM 4490) or permission of instructor.*

HUMAN SERVICES COURSES (HS)

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 2235 Ethics (3)**
Ethical decision-making and skill development within the helping professions. *Prerequisites: HS/RHB/SWK major or permission of advisor.*
- HS 2231 Peer Education-Drug Abuse Prevention (2)**
Introduction to peer education as a preventive procedure in working with campus drug and alcohol abuse. Techniques of peer teaching and peer counseling.
- HS 2232 Peer Education Practicum (1)**
Supervised experience in the Campus Peer Education - Drug Abuse Prevention Program. *May be repeated up to three hours credit. Prerequisite: HS 2231.*
- 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 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. *Prerequisites: HBSE I and HBSE II or approval from instructor.*
- 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 3390 Pre-Practicum (1)**
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. *Prerequisite: Completing of HS Major requirements.*
- HS 3391 Senior Seminar (2)**
- This course is designed to provide practical experience in advanced social policy analysis for senior students majoring in Human Service. Each semester contemporary topics are selected for review and analysis. *Prerequisites: Completing of HS Major requirements.*
- HS 4400-4410/4420 Human Service Field Experience I (3), II (3) and III (3)**
Provides experiences in a variety of social and rehabilitation 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 40 clock hours per semester hour spent in a particular agency setting. Clinical hours and responsibilities will be determined by internship supervisor. *Prerequisites: Senior level, HS 2230 and HS 3370 or permission of instructor. The field site must be approved by the practicum director by mid-term of the semester prior to the field experience.*
- 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.
- HS 4498 Honors-Independent Study (1 to 3 credit hours per course per semester)**
Advanced research and study for outstanding students in their major field. Culminates in a report to a departmental committee which includes invited faculty members in related fields. *Prerequisite: Senior level, 3.5 overall average, permission of guiding professor, and approval of department chair and dean. Note: A written request must be submitted to the department chair at least six weeks in advance of the term the research is to be undertaken.*
- HS 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*
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- INTERDISCIPLINARY STUDIES COURSES
(IDS)**
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- IDS 1101 Citizenship to address Global Challenges (3)**
Students will build knowledge and skills for globally competent citizenship and public service to address global challenges (population, resources,

technology, information, economics, conflict, 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 themes. *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 Civic Engagement (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 4495 Capstone Experience in Public Service and civic Engagement (3)

300 hour field experience internship based at a community agency, healthcare facility, school or government agency focused on application of student's personal plan for community engagement and public leadership. Through the course, students will build applied public leadership skills and use various applications and strategies for civic enrichment.

**INTERDISCIPLINARY EDUCATION
COURSES (IED)**

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. Corequisite: 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. Corequisite: 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."*

INFORMATION SYSTEMS COURSES (IS)

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 Global Electronic Business (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 Computer Applications for Accountants

A computer application course in which accounting majors use common business word processing, presentation, application, and spreadsheet software to design and implement solutions to common account problems and issues. *Prerequisites: ACT 2292, 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 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 imple-

ment 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 interviewed 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.*

**INTERPRETER TRAINING PROGRAM
(ITP)**

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 overview of interpreting with respect to professional orientation and identity, including an overview and history of the interpreting industry and work of interpreters, hearing and deaf interpreting teams, certification and licensure, legislation affecting interpreters, 2d vs 3d interpreting work, multiculturalism and the variety of consumers and modalities with which interpreters work. Ethical decision-making models and the Code of Professional Conduct are explored. The course culminates in the students mapping out the competencies required to be successful on interpreting certification exams and resources (including Troy University classes, extra-curricular activities, organizations, etc.) to acquire the competencies. *Prerequisite: 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. *Prerequisites: 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 Colonos 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 3362 Manual Codes for English (3)**
Focuses on the communication modes typically used by deaf children in public schools. Studies involve various manual codes for English such SEE II and Conceptually Accurate Signed English (CASE), Pidgin Signed English, and the Rochester Method. Simultaneous communication skills are developed. *Prerequisite: Sign Language Proficiency Interview*
- 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, EDU 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 metamessages within multicultural settings and understanding the biases and filters interpreters often bring to the interpreted task with assumptions made about the meaning of a text based on the interpreter's own experiences. The overarching goal will be to ensure interpreters are able to 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 metamessages within multicultural settings and understanding the biases and filters interpreters often bring to the interpreted task with assumptions made about the meaning of a text based on the interpreter's own experiences. The overarching goal will be to ensure interpreters are able to analyze a text to understand the conversational signals and devices used are interpreted accurately and effectively across the interpreted boundary from the source message to the target message. *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.*

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.

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 to take JRN 2201.
- JRN 1102 Mass Media Writing Style (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 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 editing; editorial decision-making; and headline writing. *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. *Prerequisite: JRN 2201.*
- 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 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 3375 Public Relations Writing (3)**
This course focuses on developing the professional writing skills required for public relations practi-

- tioners, AP style and how to write effectively for clients, the media and for online publications.
- 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.
- JRN 4401 Communication 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 Corequisite: JRN 2203.*
- 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. Two hours per day plus a weekly one-hour discussion and evaluation. *Prerequisite: JRN 2203.*
- 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 television news broadcast. *Prerequisite or corequisite: JRN 2203*
- 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. Two hours per day plus a weekly one-hour discussion and evaluation. *Prerequisite: junior standing or above*
- JRN 4420 Advanced Television Practicum (3-6)**
Emphasis on individualized work in television news or production. *Prerequisite: JRN 4413*
- 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 Communication Law (3)**
An examination of how courts, legislatures and regulatory agencies react to and regulate constant change in communications ranging from free speech to the Internet and emerging technologies with an emphasis on the First Amendment and mass communication. *Prerequisite: Junior standing*
- JRN 4425 Media 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.
- 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 4489 Internship (5)**
Full-time work experience as a regular staff member in a communication related position (for example, a print publication, electronic media, advertising office, public relations firm, etc.) Students will work under the supervision of an on-the-job supervisor and report to a Troy University faculty adviser who will monitor the work experience. Students will also prepare written and oral reports. *Prerequisites: Approval of the academic adviser and department chair, a minimum of 75 hours of course work, completion of a Permission to Register for an Internship Form, and successful completion of an internship workshop prior to registering for the internship.*
- 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 design and execute a major field- related research project and create a professional portfolio.

**KINESOLOGY AND HEALTH
PROMOTION COURSES (KHP)**

KHP 1101 Badminton (1)

Physical education activity course.

KHP 1104 Golf (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 1123 Synchronized Swimming (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 1133 Square Dance (1)

Physical education activity course.

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 1138 Clog Dance I (1)

Physical education activity course.

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 2204 Intermediate Golf (1)

Physical education activity course.

KHP 2208 Intermediate Tennis (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 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 2223** **Advanced Synchronized Swimming (1)**
Physical education activity course.
- KHP 2230** **Rhythmic Activities for Special Populations (1)**
Physical education activity course.
- KHP 2238** **Clog Dance II (1)**
Physical education activity course.
- 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 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 Education, Physical Education, or Exercise Science 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 2280** **Theory and Techniques of Coaching Track and Field (2)**
Teaching of basic fundamentals of track and field activities.
- 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.
Corequisite: KHP L310
Prerequisites: None. Open to all majors.
- KHP L310** **Introduction to Food Science Lab (1)**
Experimental and observational techniques in food preparation.
Corequisite: 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.*

- 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.*
- 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: NTR 2211 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. *Prerequisite: EDU 3310.*
- 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 evaluation in health education and physical education. *Prerequisites: admission to the Teacher Education Program .*
- KHP 3392 Water Safety Instructor for the Handicapped (I)**
Organization and methods of teaching swimming to adapted students. *Prerequisite: A current, valid WSI Certificate (Swimming Instructor Certificate).*
- 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 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: admission to Teacher Education Program.*
- 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: NTR 2211.*
- 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. Corequisite: 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. *Corequisite: 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 HPE (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: admission to the Teacher Education Program.*
- 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. Corequisite: 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. Corequisite: 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. *Corequisite: 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 the Teacher Education Program.*

- KHP 4485 Teaching Individual and Team Sports I (3)**
Teaching methods, techniques, and officiating badminton, swimming, tennis and volleyball. *Prerequisite: KHP 3330, KHP 3331, and KHP 3391.*
- KHP 4486 Teaching Individual and Team Sports II (3)**
Teaching methods, techniques, and officiating archery, conditioning, soccer, and track and field. *Prerequisite: KHP 3330, KHP 3331, and KHP 3391.*
- 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. *Corequisite: KHP L496. Prerequisites: Grade C or better in KHP 3352.*
- 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 biomechanical principles to analyze human movement. *Corequisite: 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: Sr. standing or permission of instructor.*

KOREAN COURSES (KOR)

- 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.*

LATIN COURSES (LAT)

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.

LAW COURSES (LAW)

LAW 2221 Legal Environment of Business (3)
This course is an introduction to the fundamental concepts, principles, and rules of law and equity that apply to business activities. This course provides an overview of law in general, the American legal system, federal and state court procedures, effects on law-making by legislative, judicial, and administrative procedures. The course may also include constitutional law, business ethics, contracts, products liability, sales and commercial paper. *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

LEADERSHIP COURSES (LDR)

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 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 3310 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. *Prerequisites: LDR 3300.*

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 advisor. Students will submit a written request to the director at least two weeks in advance of the term in which study is to be undertaken.

LDR 4493-94 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 advisor. 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.

LEGAL STUDIES COURSES (LGL)

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.

LIBERAL STUDIES COURSES (LST)

LST 3301 Methods in Liberal Inquiry (3)

A survey of methods used for critical analysis and interpretation. The course presents and evaluates various methodologies and approaches to the collection, analysis, and presentation of data from a critical perspective.

LST 3310 Critical Theory (3)

This course is a survey of the various critical approaches utilized in various disciplines.

LST 4499 Senior Seminar in Liberal Studies (3)

This is the final course in the students Liberal Studies curriculum. The course is designed to prepare the student to pursue a career or graduate studies related to Liberal Studies.

MARINE BIOLOGY COURSES (MB)

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, 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, 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, 2229/L229, CHM 1143/L143, BIO 4432/L432 or MB 4403.

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.

MB 4460 Introduction to Neurobiology (4)

The study of the structure, development, physiology, and pharmacology of the nervous systems and sense organs. *Prerequisite:* Permission of instructor.

MANAGEMENT COURSES (MGT)

MGT 3300 Principles of Management (3)

An introduction to management functions, principles, and techniques. The course includes a discussion of planning, organizing, influencing through leadership, and control within the organization.

MGT 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, MGT 3300.

MGT 3380 Principles of Supervision (3)

An introduction to supervision principles, best practices and concepts. Topics discussed include delegation, planning and goal setting, employee training and motivating team coaching, communicating, and appraising. *Prerequisites:* Lower-level Core, MGT 3300.

MGT 4440 Developing and Leading Effective Teams (3)

An in-depth study of team development and team leadership in the work setting focused to better

understand team functions under varying task conditions. Special emphasis will be placed on the leadership of work teams in both face-to-face and virtual settings for effective performance and member satisfaction. This course deals extensively with maintenance and task behaviors of team members. *Prerequisites:* Lower-level Core, MGT 3300, QM 3345.

MGT 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, MGT 3300.

MGT 4460 Introduction to Project Management (3)

This course provides an introduction to essential principles governing effective project management and an application of tools and techniques that can be applied to defining projects, establishing task structure, planning and budgeting, managing of resources to achieve the project objectives, and post-project evaluation.

Prerequisites: Lower-level Core, MGT 3300, QM 3345.

MGT 4471 Leadership and Change (3)

A study of leadership and change concepts applied to foundational concepts of leadership, motivational theories, and organizational change theories. The primary focus of the course will be directed toward the application of these theories, practices, and concepts in an organizational setting, designed to enable an achievement of organizational goals and objectives, while also undertaking application oriented activities that encourage the development of critical thinking skills about the concepts.

Emphasis will be placed on key similarities and differences between US organizations and international organizations.

Prerequisite: Lower-level Core, MGT 3300.

MGT 4472 Organizational Behavior (3)

A study of individual and group behavior in business organizations. *Prerequisite:* Lower-level Core, MGT 3300.

MGT 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, MGT 3300.

MGT 4475 Entrepreneurial Management (3)

This course examines how startups, small companies & family enterprises reach the marketplace and sustain their businesses. The course centers around the development of the business plan, focusing on creativity and innovation. Emphasizes entrepreneurial opportunities & new venture processes both domestically and internationally. Detailed analysis of the creation, marketing, and management of new business entities.

Prerequisite: Lower-level core, MGT 3300

- MGT 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.
- MGT 4478 Managing in a Global Environment (3)**
This course is a survey and analysis of topics important to successfully managing multinational business operations. Included in the course are considerations of environmental analysis, modes of entry, planning and cross-cultural issues in directing, decision-making, organizing and staffing operations in multinational enterprises. Capstone for the Global Business Core.
Prerequisites: Lower-level Core, MGT 3300 and have completed at least 12 hours of the Global Business Core.
- MGT 4479 Management Seminar (3) (capstone)**
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. *Prerequisites: Lower-level Core MGT 3300, QM 3345, MGT 3380, MGT 4440, and MGT 4472.*
- MGT 4480 Technology Innovation Management (3)**
This course utilizes an applied approach, investigating the strategic implications of technology and innovation for manufacturing as well as service organizations that operating in dynamic environments. This course includes a study of leading-edge product and process technologies, through the use of contemporary management practices. Emphasis will be placed on problem-solving and decision-making in managing emerging organizational and social issues that influence the adoption of technology, as well as methods for forecasting future trends in technology.
Prerequisite: Lower-level Core, MGT 3300, QM 3345.
- MGT 4481 Staffing (3)**
Addresses theory, principles, practices, and legal requirements for effective recruitment, selection, and promotion in organizational settings.
Prerequisite: Lower-level Core, MGT 3300.
- MGT 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, MGT 3300.
- MGT 4483 Human Resource Development (3)**
Theory and practice in human resource training and development applied to organizational settings.
Prerequisite: Lower-level Core, MGT 3300.
- MGT 4484 Entrepreneurial Strategy and Marketing (3) (capstone)**
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 *Prerequisite: ECO 4833, FIN 4855, MGT 4475. (Simultaneous enrollment is acceptable)*
- MGT 4485 Performance Appraisal and Compensation (3) (capstone)**
Addresses theory, principles, practices, and legal requirements linking effective performance management and compensation and benefit systems in organizational settings. *Prerequisite: Lower-level Core, MGT 3300, and at least three of the 4000-level Human Resource management courses.*
- 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.*
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- MARKETING COURSES (MKT)**
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- MKT 3300 Principles of Marketing (3)**
A managerial focus on the external environments and decision elements of marketing (promotion, price, product, distribution) faced by marketing management at the corporate and entrepreneurial levels of business.
- MKT 3362 Advertising (3)**
This course addresses the planning, creation, utilization, and placement of advertising programs, media use, and research to support marketing strategy. It is an integrated approach, to include traditional advertising processes, direct communications with business/consumer markets, and contemporary forms of social media.
Prerequisite: MKT 3300.
- MKT 3364 Services Marketing (3)**
Understand the nature of services marketing and its critical contribution to marketing success. Topics

include customer expectations and perceptions in the design of service processes and standards.

Prerequisite: MKT 3300.

MKT 4461 Personal Selling (3)

This is an applied course that introduces the economic, psychological, and social aspects of personal selling, direct selling techniques, and the sales process with emphasis on building customer relationships. *Prerequisite: MKT 3300.*

MKT 4462 Consumer Behavior (3)

A study of the consumer as a decision maker. The course examines social, cultural, and psychological influences on purchasing decisions while emphasizing their implications for marketing strategies.

Prerequisite: MKT 3300.

MKT 4463 Retailing (3)

Principles and practices of retail management. The course examines retail store location, purchasing, personnel, promotions, inventory management, and Internet marketing. *Prerequisite: MKT 3300.*

MKT 4464 Marketing Research (3)

Methods and procedures for collection, interpretation, and use of primary and secondary data in marketing including sampling, questionnaires, data collection, analysis, and preparation of reports.

Prerequisite: MKT 3300.

MKT 4465 Supply Chain Management (3)

The course examines procurement, warehousing, transportation, and distribution channel activities related to supply chain system design, operation, and control. *Prerequisites: MKT 3300.*

MKT 4468 Global Marketing (3)

Decision-making and policy formulation relative to the cultural, political, legal and economic aspects of doing business in global markets. This course also examines the specific issues involved in developing an international marketing strategy and in conducting marketing operations on a global as opposed to a "domestic" scale.

Prerequisites: Lower-level Core, MKT 3300.

MKT 4469 Marketing Management (3)

This is the capstone course for marketing major students. Focus is on marketing management problem solving by applying marketing concepts, procedures and practices learned. Vehicles to deepen this decision-making approach will include text, cases and simulations. *Prerequisite: 15 semester hours in marketing courses beyond MKT 3300.*

MKT 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.*

MKT 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. Also see index for "Independent Study and Research.."*

MEDICAL COURSES (MLS)

(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.

MLS4402 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 rickettsial 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 procedures.

MLS 4408 Immunohematology (3)

This block involves blood banking, studies of the ABO blood group system, the Rh system, blood typing, antibody studies, and effects of transfusion.

MLS 4409 Immunohematology Lab (1)

Blood banking studies and techniques. Clinical applications of procedures under direct supervision.

- MLS 4410 Clinical Serology (2)**
Lectures emphasizing the principles and interpretations of immunological procedures. The study of the immune systems of the body. Antigen-antibody studies and techniques.
- MLS 4411 Clinical Serology Lab (1)**
In this lab, the student becomes proficient in running and interpreting serology (immunology) tests.
- MLS 4412 Clinical Chemistry (6)**
This lecture course focuses on the principles and interpretations of biochemical analytical methods, clinical calculations, and quality control.
- MLS 4413 Clinical Chemistry Lab (4)**
This lab rotation provides the practical experience of running biochemical tests and interpreting their results. Some prior experience with instrumentation is required in order to understand how to use and care for clinical instruments.

MILITARY SCIENCE AND LEADERSHIP COURSES (MSL)

- 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.
Corequisite: 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. *Corequisite: 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
Corequisite: 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. *Corequisite: MS 2205.*
- MSL 2204 Military Basic Leadership Lab II-A (1)**
Leadership lab is required for Army ROTC students. The students will receive training in drill, physical training, rappelling, water survival, tactics, marksmanship, night operations, and land navigation.
- MSL 2205 Military Basic Leadership Lab II-B (1)**
Leadership lab is required for Army ROTC students. The students will receive training in drill, physical training, rappelling, water survival, tactics, marksmanship, night operations, and land navigation.
- MSL 3301 Leadership and Problem Solving (3)**
This course examines the basic skills that underlie effective problem solving by analyzing the role officers played in the transition of the Army from Vietnam to the 21st Century, analysis of military missions and the planning of military operations, the features and execution of the Leadership Development Program, and the execution of squad battle drills.
Prerequisite: Permission of the Professor of Military Science for non-contracted cadets. Corequisite: 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. Corequisite: 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 and 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.

MATH COURSES (MTH)

MTH 0096 Pre-Algebra (3)

Topics include 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)

Topics include 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)

Topics include 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 Markov chains and decision 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 1115 Pre-Calculus Algebra and Trigonometry (4)

The course covers the algebra of functions, systems of equations and inequalities, quadratic inequalities, and the conic sections. It also includes the study of trigonometric and inverse trigonometric functions, trigonometric equations, vectors, complex numbers, polar coordinates, and DeMoivre's Theorem. *Prerequisite:* MTH 1105 with a grade of C or better, appropriate score on the mathematics placement test, 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 1115, 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 Business Calculus (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 1115 with a grade of C or better, or advanced placement. Note: Credit will not count toward a major or minor in mathematics.*
- MTH 2210 Applied Statistics (3)**
Applications of statistical techniques, such as experimental design, hypothesis testing, parametric and non-parametric tests along with descriptive statistics in contemporary research. This course will focus on the commonly used parametric statistical tests, their non-parametric counterparts, and the conditions under which each test is appropriate or inappropriate. *Prerequisite: A grade of C or better in MTH 1112. Note: Credit will not count toward a 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 a 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 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 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 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 3364 Vector Calculus (3)**
Differentiation in several variables. Line and surface integrals. Potential theory and differential forms. *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 series, analytic functions, integrals, contour integrals, and 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 4451 Mathematical Statistics I (3)**
Probability theory, sample spaces, random variables, mutual exclusion, independence, conditional probability, permutations and combinations, common discrete and continuous distributions, expected value, mean, variance, multivariate distributions, covariance, Central Limit Theorem. *Prerequisite: MTH 2227 or permission of instructor*
- MTH 4452 Mathematical Statistics II (3)**
Fundamentals of the theory of statistics, the Central Limit Theorem, point estimation, sufficiency, consistency, hypothesis testing, sampling distributions, confidence intervals, linear regression models, interpretation of experimental results, Bayesian Estimation. *Prerequisite: 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. Corequisite: SED 4454*
- 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.
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- MUSIC INDUSTRY COURSES (MUI)**
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- MUI 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. *Prerequisite: MUS 2230.*
- MUI 3310 Audio Principles and Techniques (3)**
A basic course to develop the understanding and skills to make audio recordings. Listening skills will be emphasized along with editing and recording assignments. *Prerequisite: MUS 3305.*
- MUI 3315 Song Writing (2)**
Study of basic skills and techniques of songwriting including melodic construction, harmonic progression, and lyric writing and revisions. *Prerequisites: MUS 1102, 1103, 2230, 3305.*
- MUI 3320 Grant Writing/Funding for the Musical Arts (2)**
Identifying funding sources and creating effective grant proposals for music production and related activities.
- MUI 3325 Recording Studio I (2)**
An examination of the art of studio recording. The mixing console, microphones, sound effects, and digital and analog recording devices will be studied.

- MUI 3326 Recording Studio II (2)**
In-depth study of audio recording. Remote and studio recording techniques, sound reinforcement, and post production will be covered. Students will prepare a recording project portfolio.
- MUI 3330 Selling Music (2)**
Exploration of the music sales process and development of a sales plan. Ways of growing the customer base, promoting the product, dealing with competition, and adapting to e-commerce are examined.
- MUI 3335 Retailing (2)**
Introduction to basic principles of music retailing, contemporary issues as well as the history of corporate changes in the music industry, will be discussed.
- MUI 4410 Arts Management/Concert Production (2)**
Study of the arts organization and the performing artist within a social and governmental context.
Prerequisites: MUS 2230, 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)**
Examination of the process of studio production, manufacturing, promotion and distribution of contemporary recordings. Record release programs for independent and major label-controlled products are analyzed.
Prerequisites: MUS 2230, 3305.
- MUI 4435 Music Merchandising (2)**
Examination of the production, marketing, merchandising and distribution of musical products in the current music marketplace.
Prerequisites: MUS 2230, 3305.
- MUI 4440 Audio Principles and Techniques II (3)**
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 4460 Senior Practicum (3)**
Culminating project and presentation in student's area of emphasis integrating internship, career placement and portfolio development
Prerequisite: approval of adviser/ coordinator.
- MUI 4480 Seminar in Music Industry (1)**
Study of a special topic in the music profession. Contact school of music office for specific information about content schedule and costs in any given term.

- MUI 4499 Music Industry Internship (9)**
Placement in real-world work environment in the music industry. Supervised by a music industry faculty member.
Prerequisite: MUS 4460.

MUSIC COURSES (MUS)

Note: A passing score on the theory placement test prior to registration is required of all students taking music theory coursework (except for MUS 1100 - Basic Music Skills). Contact the School of Music for more information.

- MUS 1100 Basic Music Skills (2-3)**
Focuses on the elements of music with emphasis on basic skills of music reading, orientation to the keyboard, sight-singing and dictation. *Note: This course cannot be used in meeting degree requirements other than general electives. May not be taken concurrently with any other music theory course.*
- MUS 1102 Music Theory I (3)**
Study of fundamental characteristics of tonal music. *Prerequisite: Grade of C in MUS 1100 or acceptable score on placement test. Students must take placement test before enrolling in this sequence. Corequisites for music majors: MUS 1105, 1107.*
- MUS 1103 Music Theory II (3)**
Study of modulation, secondary dominants, seventh chord resolution, two- and three-part forms, and intermediate-level analysis. *Prerequisite: MUS 1102. Corequisites for music majors: MUS 1106, 1108.*
- MUS 1105 Class Piano I (1-2)**
Introduction to basic keyboard musicianship and music reading skills. Focuses on beginning improvisation techniques, harmonization and beginning chorale playing.
- MUS 1106 Class Piano II (1-2)**
Development of intermediate-level keyboard skills including improvisational techniques, chorale playing, sight reading and transposition. *Prerequisite: MUS 1105.*
- MUS 1107 Aural Skills I (1-2)**
Beginning sight singing and rhythmic reading. Melodic, harmonic and rhythmic dictation, including intervals, chord qualities and simple/compound meters. Beginning improvisation techniques.
- MUS 1108 Aural Skills II (1-2)**
Intermediate level sight singing and rhythmic reading. Combined melodic and harmonic dictation, with inversions and mixed meter rhythms. Continuation of improvisation techniques.
Prerequisite: MUS 1107.

- MUS 1110-4428 Private Instruction (1 credit hour per semester, 1 lesson per week)**
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| 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 |
- 1000-level courses are for non-majors and music majors studying secondary instruments. Prospective music and music education majors will be auditioned by a music faculty member to determine readiness for study as a major. Students 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 (2)**
Orientation, vocal and instrumental media, forms, historical development and guided listening. *Credit for this course does not apply toward any program in music.*
- MUS 1132 Honors Music Appreciation (2)**
Elements of music, composers, vocabulary for music, forms and music literature. Includes a writing project on a musical topic. *Prerequisite: ACT score of 25 or permission of instructor.*
- MUS 1181 Band (1-6) Fall; (1-3) Spring and Summer**
Marching Band (fall) and concert band (spring and summer). Open to all students by permission of director.
- MUS 1182 Choir (1-3)**
Choral ensemble; 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 1191 Musical Theatre (1-3)**
Production of fully-staged works for musical theatre. Offers experiences on-stage, back-stage, and in the orchestra pit. Open to all students by permission of director.
- MUS 1192 Madrigal Singers (1-3)**
Performance of choral chamber music in a variety of styles, including Renaissance, 20th Century, jazz and pop. *Prerequisite: audition required.*
- MUS 2202 Music Theory III (3)**
Principles of 16th century counterpoint and analysis of through-composed forms. *Prerequisite: MUS 1103. Corequisite for music majors: MUS 2207.*
- MUS 2203 Music Theory IV (3)**
Compositional techniques and analysis of later romantic period works. Introduction to 20th century composition and analysis. *Prerequisite: MUS 2202.*
- MUS 2207 Aural Skills III (1-2)**
Advanced sight singing and rhythmic reading. Contrapuntal dictation and transcription projects. Continuation of improvisation techniques. *Prerequisite: MUS 1108.*
- MUS 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.
- MUS 2240 World Music Cultures (2)**
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 Modern Popular Musics (2)**
This course surveys the development of popular music in America and abroad. The course develops competency in the elements and history of music as well as the ability to critically analyze popular music trends.
- MUS 3300 History of Jazz (2)**
History of jazz and pop styles from 1900 to the present. Analysis of harmonic principles and common practices of each major period.
- 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 3330 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 3331 Survey of Western Music History II (3)**
This course traces the development of Western music from the 18th century through the classical, romantic and contemporary periods.
Prerequisite: MUS 3330.
- 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 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. *Prerequisite: admission to TEP.*
- MUS 3350 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 3351 Class Brass (1-2)**
Group instruction in techniques of playing and teaching brass instruments.
- MUS 3352 Class Woodwinds (1-2)**
Introduction to each of the principal woodwind instruments, emphasizing teaching techniques suitable for band classes.
- MUS 3353 Class Percussion (1-2)**
Group instruction in playing and teaching the principal pitched and non-pitched percussion instruments.
- MUS 3354 Class Strings (1-2)**
Group instruction in techniques of playing and teaching stringed instruments.
- MUS 3356 Class Voice (1-2)**
Introduction to the use of the singing voice for non-voice principals in music education.
- MUS 3358 Beginning Folk Guitar (1-2)**
Basic introduction to guitar chording and accompanying songs in the classroom or in informal settings.
- 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 or 1132*
- MUS 3364 String Orchestra (1-2)**
String ensemble open to all students with permission of director.
- MUS 3365 Class Composition (1-3)**
Creative musical writing, criticism, and study of compositional techniques. *Prerequisite: permission of instructor*
- MUS 3380 Travel Study in Music (3)**
Supervised study of music through travel abroad or within the interior of 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 (1-3)**
Selective concert organization for performance of advanced literature for band and wind ensemble. *Prerequisite: audition with director.*
- MUS 3386 Jazz Ensembles (1-3)**
Selective ensemble for performance in a wide variety of jazz styles.
Prerequisite: audition with director.
- 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 (3-4)**
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 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 4434 Show 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)**
Select choral group (auditioned from members of the auditioned Concert Chorale) devoted to performance of contemporary acapella choral pieces (focusing on the mid 20th – early 21st century) with an emphasis on highly stylized and advanced vocal jazz. Limited to 12 members (three per voice part.) *Prerequisites: audition, sophomore status or above.*
- 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 4445 Modern Popular Music (2)**
This course surveys the development of popular music in America and abroad, with emphasis on processes in popular music as an important element of culture, examining both the music and the cultural, social, economic, technological, and political conditions surrounding the music. The objective of this course is to develop competency in the elements of music and the history of its popular form in order to critically analyze current popular music trends.
- MUS 4451 Literature and Techniques of Musical Theatre (3)**
A survey of production techniques appropriate for school and college productions of operas and/or musicals.
- MUS 4452 Opera Literature (3)**
Historical survey of major operas from all periods designed to increase appreciation and understanding of this dramatic art form.
- MUS 4455 Survey of the Broadway Musical (3)**
Traces the origins and surveys major works of the Broadway musical repertoire.
- 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 projects geared to needs of school instrumental and choral groups. *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. Corequisite: 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)**
Public performances of the senior recital. Required for all music education majors.

NURSING COURSES (NSG)

(ASN Program)

- NSG 1131 Basic Nursing Concepts Practicum (4-8)**
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. Includes concepts of health care delivery and the history 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, PSY 2200, BIO 3347/L347. Prerequisites or Corequisites: BIO 3348/L348, NSG 1135.
- NSG 1135 Health Assessment Practicum (1-2)**
Focuses on applying knowledge and skills required to perform health assessments on diverse patient populations. Utilizes an evidence-based systemic approach to collect data in the assessment phase of the nursing process.
Prerequisites: Admission to the ASN Program, ENG 1101, BIO 3347/L347, MTH 1112. Prerequisites or Corequisites: BIO 3348/L348.
- 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 1131, 1135, 1151, 2213, BIO 3348/L348, PSY 2210, and TROY 1101. Co- or Prerequisite: NSG 2202
- NSG 1141 Foundations of Adult Health Nursing Practicum (3-6)**
Utilizes an evidence-based approach in the application of the nursing process, emphasizing clinical decisions that are safe, ethical, patient-centered and collaborative, to assist a diverse population of adults with common health alterations.
Co-or Prerequisite: NSG 1140, NSG 2202 Prerequisites: NSG 1131, 1135, 1151, 2204 or 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 health care 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, 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 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 Corequisite: 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 Corequisite: 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 biopsychosocial stressors.
Prerequisites: NSG 1131, 1135, 1151, 2204, 2213. BIO 3348/L348, PSY 2210, TROY 1101.
- NSG 2272 Psychosocial Nursing Practicum (2-4)**
Focuses on the role of the professional nurse in the application of evidence-based nursing process in

- the care of diverse individuals and families experiencing biopsychosocial stressors.
Pre or Corequisite: 2271
Prerequisites: NSG 1131, 1135, 1151, 2204, 2213, BIO 3348/L348, PSY 2210, TROY 1101.
- 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 Gerontological Nursing Concepts (2)**
Focuses on nursing process and evidence-based practice as a basis for assisting the family during older adult experiences (acute care and long-term care). Applies theoretical knowledge from nursing, scientific, environmental and humanistic disciplines.
Prerequisites: NSG 1140, 1141, 2202, 2271, 2272, BIO 3372/L372.
- NSG 2283 Gerontological Nursing Practicum (2-4)**
Focuses on the role of the professional nurse in providing high quality nursing care to older adults and families. Utilizes young adult, middle adult, and older adult experiences. Includes visit to various residential care options available in the community.
Pre or Corequisite: 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 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 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 (2)**
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 health care in the United States to that of other nations. *Prerequisite: sophomore standing or permission of instructor*
- NSG 2291 Nursing Study Abroad (2)**
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: admission to the BSN program or permission of instructor*
- NSG 3302 Essentials of Operating Room (OR) Nursing (1)**
Focuses on the functions of the registered nurse in the peri-operative setting. *Prerequisites: NSG 3325, 3326*
- NSG 3303 Essentials of Operating Room (OR) Nursing Practicum (1-2)**
Focuses on clinical experience for preparation for the role of the registered nurse for meeting the emergency preventive and restorative health needs of patients in hospital operating rooms and outpatient surgery centers. *Prerequisites: NSG 3325, 3326*
- 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. Corequisite: 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. Corequisite: 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 Corequisite: NSG 3300, 3306, 3309/3310, 3315. Corequisite: 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 Corequisite: NSG 3300, 3306, 3309/3310, 3315. Corequisite: 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 3317 Nurse Extern Experience (1)**
This course prepares the nursing student for the nurse extern experience and presents a practical approach to the development of skills necessary in the role of nurse extern. *Prerequisites: NSG 3313, 3314.*
- NSG 3319 Informatics in Nursing (2)**
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. Corequisite: 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. Corequisite: 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. Prerequisite or corequisite: NSG 3301. Corequisite: 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 corequisite: NSG 3301. Corequisite: 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. Corequisite: 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. Corequisite: 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. Corequisite: 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. Corequisite: 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 3350 Case Management in Healthcare (2)**
Provides theoretical foundation and practical information about case management in healthcare. Introduces the roles of the nursing case manager in a changing health care environment. *Prerequisite: NSG 3325.*
- 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 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. Corequisite: 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. Corequisite: 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 or*
- admission to the RN-BSN/MSN Clinical nursing sequence. Corequisite: 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 or admission to the RN-BSN/MSN clinical nursing sequence. Corequisite: 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 or admission to the RN-BSN/MSN clinical nursing sequence.*
- 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. Corequisite: 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. Corequisite: 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. Corequisite: 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. Corequisite: 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 or admission to the RN-BSN/MSN clinical nursing sequence or permission of instructor.*

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. Corequisite: NSG 4415, 4417.*

NSG 4430 Advanced Nursing Theory (3)
Presents application of the synergy model for comprehensive nursing care of individuals, families, communities, or populations adapting to internal and external environmental dimensions in a variety of dynamic and complex health care setting. Discusses the leadership and management roles of the baccalaureate nurse. Integrates evidence-based practice, quality improvement, patient safety, information technology and health care policy. *Prerequisites: admission to the RN-BSN/MSN clinical nursing sequence, NSG 3309/3310, 3319, 3370, 4405/4406. Corequisite: NSG 4431.*

NSG 4431 Advanced Nursing Preceptorship (2-6)
Provides clinical learning opportunities for students to apply the synergy model in the comprehensive nursing care of individuals, families, communities or populations adapting to internal and external dimensions in a variety of dynamic and complex 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, NSG 3309/3310, 3319, 3370, 4405/4406. Corequisite: NSG 4430.*

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.."*

PERSIAN COURSES (PER)

PER 1101 Introductory Persian (Farsi) I (3)
Introduction to the Modern Persian language.

PER 1102 Introductory Persian (Farsi) II (3)
Introduction to the Modern Persian language. *Prerequisite: PER 1101 or permission of instructor*

PER 2201 Intermediate Persian (Farsi) I (3)
Progressive development of basic language skills in Modern Persian. *Prerequisite: PER 1102 or permission of instructor.*

PER 2202 Intermediate Persian (Farsi) II (3)
Progressive development of basic language skills in Modern Persian. *Prerequisite: PER 2201 or permission of instructor.*

PHILOSOPHY COURSES (PHI)

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 3301 Western Philosophy (3)
Survey of philosophical ideas from the ancient Greeks through the 20th century.

PHI 4493-94 Guided Independent Study (1 to 3 credit hours per course)
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.*

PHYSICS COURSES (PHY)

PHY 2252 General Physics I (3)
An introduction to the laws of mechanics and thermodynamics. *Prerequisite: MTH 1114 or 1115. Corequisite: 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. *Corequisite: PHY 2252.*

- PHY 2253 General Physics II (3)**
An introduction to the laws of optics, electricity and magnetism. *Prerequisite: PHY 2252/L252.*
Corequisite: 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.
Corequisite: PHY 2253.
- PHY 2262 Physics I with Calculus (3)**
Introduction to the principles and laws of mechanics and thermodynamics, utilizing the methods of calculus.
Corequisite: 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.
Corequisite: 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. Corequisite: 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.
Corequisite: 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.
Corequisite: PHY L310.
- PHY L310 Modern Physics Lab (1)**
Selected experiments in modern physics.
Corequisite: 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 Optics (3)**
Topics of study in this course will include image formation, refraction, diffraction, origin of spectra, polarized light, and optical activity.
Prerequisites: PHY 2253/L253 or PHY 2263/L263. Corequisite: PHY L359
- PHY L359 Optic Lab (1)**
Students will conduct selected experiments in geometric and physical optics. Laboratory work emphasizes the basic principles of optics, the use of measuring instruments, and the interpretation of data. *Corequisite: 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 and PHY 3320.
- PHY 4430 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 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 3320
- 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, PHY 3320.
- PHY 4446 Quantum Mechanics II (3)**
Topics include quantum mechanics higher dimensional systems, angular momentum in quantum mechanics, spin, the Hydrogen atom, addition of angular momentum, WKB approximation, and perturbation theory.
Prerequisite: PHY 4445.
- PHY 4460 Special Relativity (3)**
In this course, students will be introduced to the principles of relativity and some of its immediate consequences. Topics covered will include inertial observers, time dilation, length contraction, particle dynamics, massless particles, 4-D spacetime, field and energy momentum tensors.
Prerequisites: MTH 3310, PHY 2263/PHY L263.
- 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: PHY4445.*
- PHY 4478 Introduction to General Relativity (3)**
Topics include curvature of spacetime, differential geometry, tensor calculus, the Einstein field equation and gravitational waves. Additionally, students will become familiar with recent experimental advances and current gravity probes and detection methods.
Prerequisites: Permission of instructor.
- PHY 4480 Introduction to Black Holes & Cosmology (3)**
Topics include spherically symmetric black holes, the event horizon, singularities in spacetime, big bang theory and the particle content of the universe.
Prerequisite: PHY3325, PHY 4478
- 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: PHY4446, PHY4460 (or permission of instructor).
- 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 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.

POLITICAL SCIENCE COURSE (POL)

- 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 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, 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 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 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 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 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 effect 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 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.

PUBLIC RELATIONS JOURNALISM (PRJ)

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: JRN 2201 and JRN 2230 or JRN 2230 and JRN 3375.

PRJ 3375 Public Relations Writing (3)
This course focuses on developing the professional writing skills required for public relations practitioners, AP style and how to write effectively for clients, the media and for online publications. managers in organizations.

PRJ 4419 Advanced Public Relations Tactics (3)
Practical experience in preparation of public relations messages for a client. *Prerequisite: JRN 3321. Corequisite: JRN 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. *Prerequisite: JRN 3321. Corequisite: JRN 4419*

PSYCHOLOGY COURSES (PSY)

PSY 2200 General 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 Psychology (3)
Introduction to the language of psychology, APA writing style, and library research. Also includes an over view of career paths in psychology.

PSY 3301 Basic Statistics (3)
An introduction to descriptive and inferential statistical concepts, methods, and tools. Topics to be covered include basic terminology, measurement, data description, probability, hypothesis testing, and inferential tests (parametric and non-parametric). May be used for Sociology credit. *Prerequisite: MTH 1110 or higher, with a grade of C or above.*

PSY 3303 Educational Psychology (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.

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 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 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.
- 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: PSY 3301, 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 3301, additional three semester hours of psychology.*
- PSY 4410 Business and Industrial 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. *Prerequisite: senior standing.*

- 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: six 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. *Prerequisite: senior standing.*
- 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. *Prerequisite: senior standing.*
- 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. *Prerequisite: senior standing.*
- 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: six semester hours of psychology.*
- 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. *Prerequisite: PSY 3340*
- PSY 4460 Cognitive Psychology (3)**
A study of human intellectual functioning including attention, perception, memory, problem solving,
- reasoning and language. *Prerequisite: six 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. *Prerequisites: PSY 4459, Applied Behavior 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 contract discrete-trial teaching and incidental teaching methods and practice using both. *Prerequisite: PSY 4474*
- 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 4474*
- 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 be-

havior-change procedure such as reinforcement, extinction, and punishment. Students will design, plan, implement, and present a behavior-change project. *Prerequisites: (1) PSY 4474, PSY 4476.*

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 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 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*

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 4XXX, Applied Behavioral Analysis Practicum I AND permission of the instructor.*

QUANTITATIVE METHODS COURSES(QM)

QM 2241 Business Statistics I (3)

An introduction to descriptive and inferential statistical concepts and methods. Topics include grouping of data, measures of central tendency and dispersion, probability concepts and distributions, sampling, statistical estimation, and statistical hypothesis testing. *Prerequisite: MTH 1112.*

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 of 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.

READING/LITERACY COURSES (RED)

RED 0098 Reading I (3)

A 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 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 4481 Language and Literacy I: Grades P-3 (3)

Literacy instruction for the P-3 learner with emphasis on child development, learning theories, individual differences, emergent and early literacy, and examination of current materials and instructional practices used in teaching literacy. *Prerequisite: admission to TEP*

RED 4482 Language and Literacy II: Grades 4-6 (3)

Literacy instruction for the learner in grades 4-6 with emphasis on the principles of reading and language arts instruction, teaching strategies, and methods of expanding reading power. This course requires substantial field experience in the grades 4-6 setting. *Prerequisite: admission to TEP.*

RED 4483 Language and Literacy III: 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. *Prerequisite: admission to TEP, RED 4481.*

RED 4484 Language and Literacy IV (3)

This course provides a study of teaching reading in grades P-12, emphasizing methods in the content

areas. *Prerequisites: EDU 3310, 20 semester hours in the major, and admission to TEP.*

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."*

REHABILITATION COURSES (RHB)

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 biopsychosocial 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. <i>Prerequisites: HS 2230 or permission of instructor.</i>			academic, psychotherapy, peer relations, group counseling, family relations, and life skill development.
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. <i>Prerequisite: HS 2230.</i>	RHB 4410	Rehabilitation Pre-practicum (1) Preparation for RHB 4420. <i>Prerequisites: Completion of departmental core and Rehabilitation Program course requirements (except practicum).</i>	
RHB 3350	Individual Differences and the World of Work (3) An orientation into the world of work along with the meaning and importance of work to the individual, family and community. Includes job search techniques, methods of doing job surveys and ways of classifying information. <i>Prerequisite: HS 2230 or permission of instructor.</i>	RHB 4420	Rehabilitation Practicum (12) Provides experience in a rehabilitation setting with an emphasis on the multiple nature of human problems and the impact these problems have on persons with disabilities. Includes a weekly seminar plus a minimum of 500 hours in a particular agency setting. <i>Prerequisites: Rehabilitation major, RHB 4410. Practicum site must be approved by instructor during RHB 4410.</i>	
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. <i>Prerequisite: HS 2230 or permission of instructor.</i>	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. <i>Prerequisite: HS/RHB major with senior standing or permission of instructor.</i>	
<hr/> RISK MANAGEMENT AND INSURANCE COURSES (RMI) <hr/>				
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.	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. <i>Prerequisite: Lower-level Core.</i>	
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. <i>Prerequisites: HBSE I and HBSE II or approval from instructor.</i>	RMI 3340	Surplus Lines and Reinsurance (3) A study of the excess and 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. <i>Prerequisite: RMI 3335 or permission of department chair.</i>	
RHB 3380	Medical and Vocational Aspects of Physical Disabilities (3) Examines specific physical disabilities from medical, psychological, social, and vocational points of view. Covers a number of disabling conditions including etiology, characteristics, and implications for treatment.	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. <i>Prerequisite: RMI 3335.</i>	
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.	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	
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,			

contracts, rating, underwriting, regulation, and financial strength of insurers.

Prerequisite: RMI 3335

RMI 4409 Internship (3)

The internship provides students with the opportunity to gain real-world insurance experience as a summer employee of an insurance company. Students are interviewed and selected by the individual insurance companies. See the RMI department for specific requirements.

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.

Prerequisites: RMI 3335, RMI 3346, RMI 3348.

RMI 4465 Insurance Law (3)

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.

Prerequisite: RMI 3335.

RMI 4467 Advanced Topics in Risk Management (1)

An extension of RMI 3335 – Principles of Risk Management and Insurance with additional emphasis on the goals of risk management, the risk management process, techniques for managing risk, Enterprise Risk Management, and insurance policy analysis. *Prerequisites:* Concurrent with RMI 3335.

RMI 4470 Surplus Line Insurance Products (1)

A study of the excess and surplus lines insurance products designed for the major types of commercial and personal property and liability risks.

Prerequisites: Concurrent with RMI 3348.

RMI 4472 Surplus Line Insurance Operations (1)

A study of the excess and 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.

Prerequisite: RMI 3335.

RMI 4475 Advanced Topics in Life & Health Insurance (3)

An extension of RMI 3346 with additional emphasis on estate and retirement planning, taxation and regulation, contract evaluation, and financial management of life and health insurance companies.

Prerequisite: RMI 3346.

RMI 4478 Employee Benefit Planning (3)

The course is designed to provide the student with a foundation of knowledge regarding the design and

management of employee benefit plans. Topics include pensions, profit-sharing plans, 401(k) plans, group life and health plans, and flexible benefit programs. *Prerequisites:* RMI 3335,

RMI 4491-92 Guided Independent Research (1 to 3 credit hours per course per semester)

Additional information is indexed under Independent Study and Research.

RMI 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)

Additional information is indexed under Independent Study and Research.

RMI 4499 London Internship (3)

The London internship provide students with first-hand exposure to the center of the excess and surplus lines market, Lloyds. See the RMI department for specific requirements.

RUSSIAN COURSES (RUS)

RUS 1101 Introductory Russian I (3)

Introduction to the Russian language.

RUS 1102 Introductory Russian II (3)

Introduction to the Russian language. *Prerequisite:* RUS 1101 or permission of instructor.

RUS 2201 Intermediate Russian I (3)

Progressive development of basic language skills in Russian. *Prerequisite:* RUS 1102 or permission of instructor.

RUS 2202 Intermediate Russian II (3)

Progressive development of basic language skills in Russian. *Prerequisite:* RUS 2201 or permission of instructor.

SCIENCE COURSES (SCI)

SCI 2233 Physical Science (3)

Basic chemistry and physics for non-science majors. *Corequisite:* SCI L233. *Note:* Credit does not count toward a major in any science curriculum.

SCI L233 Physical Science Lab (1)

Laboratory experiments in basic chemistry and physics. *Corequisite:* SCI 2233.

SCI 2234 Earth and Space Science (3)

Basic astronomy and geology for non-science majors. *Corequisite:* SCI L234. *Note:* Credit does not count toward any major in the sciences.

SCI L234 Earth and Space Science Lab (1)

Laboratory experiments in basic astronomy and geology. *Corequisite:* SCI 2234.

- SCI 3335 Physical Geology (3)**
Constructive and destructive processes which alter the earth. *Corequisite: SCI L335.*
- SCI L335 Physical Geology Lab (1-2)**
Laboratory studies of constructive and destructive processes which alter the earth. *Corequisite: SCI 3335.*
- SCI 3336 Principles of Astronomy (3)**
Basic facts and theories related to astronomical phenomena. *Corequisite: SCI L336.*
- SCI L336 Observational Astronomy Lab (1)**
Star and constellation identification and observations using the telescope. *Corequisite: SCI 3336.*
- SCI 3340 Marine Science (3)**
A study of the physical properties and organisms of the marine environment. *Corequisite: SCI L340.*
- SCI L340 Marine Science Lab (1-2)**
Laboratory study of the physical properties and organisms of the marine environment. *Corequisite: SCI 3340.*
- SCI 3350 Weather and Climate (3)**
A study of the physical properties of weather and climate. *Corequisite: SCI L350.*
- SCI L350 Weather and Climate Lab (1-2)**
Laboratory study of physical properties of weather and climate. *Corequisite: SCI 3350.*
- SCI 3365 Principles of Applied Science (3)**
In this course, we will learn the scientific method, and how it applies investigations in science and engineering. Students will learn how to ask well defined questions, propose hypotheses, test hypotheses, and learn on what basis one rejects or accepts a hypothesis. We will go on to see how these methods are applied in the fields of biology, chemistry, physics, and engineering. Finally, we will also see how misapplications of the scientific method leads to questionable pseudoscience.
- SCI 3366 Survey of Electronics Technology (3)**
In this course, students will develop understanding of basic concepts in electronics, including component identification and behavior, dc and ac circuit principles, solid-state devices, and both linear and switching circuits without getting into rigors of mathematics. Students will also learn how digital electronics fed to microprocessor technology. Students will be able to apply these learned concepts in design and analysis of electronics systems.
- SCI 3370 Toxic, Radioactive, & Hazardous Materials (3)**
In this course, students will learn the basic principles of hazardous materials management. The course will
- be suitable for students with limited scientific background knowledge in chemistry and physics. Students will learn how to classify toxic, radioactive, and hazardous materials and evaluate the dangers associated with them. Students will study current industry practices and learn how to manage hazardous materials in a safe, legal, and economical manner.
- SCI 4403 Conservation (3)**
The conservation of natural and human resources with emphasis on population expansion as the major element in a changing ecology.
- SCI 4450 Science in a Regulatory Environment (3)**
An examination of the applications of Biology, Chemistry, and Physical Sciences for compliance with select environmental regulations. *Prerequisites: Biology, Chemistry or Physical Science.*
- SCI 4474 Internship in Science Education (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: admission to TEP. Corequisite: SED 4454.*
- SCI 4481 Methods and Materials for the Secondary Teacher (3)**
A survey of teaching methods and materials appropriate for teaching in the content areas for grades 6-12. Topics addressed will include teacher evaluation in the public schools, collaboration with special education teachers, and lesson planning formats. In addition, teaching methods, selections organization and use of biology/science materials for grades 6-12 will be covered in detail. A professional laboratory experience is included in this course. *Prerequisite: admission to TEP.*
- 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.

SECONDARY EDUCATION COURSES (SED)

- SED 3346 Educational Assessment (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 demon-

strate skills in utilizing measurement data to plan appropriate learning activities for students. *Prerequisite: admission to TEP.*

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."

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. Corequisite: 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. Corequisite: 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*

SOCIOLOGY COURSES (SOC)

SOC 2275 Introduction to Sociology (3)

Survey of basic sociological concepts and the effect of social phenomena on individuals, groups and institutions. *Credit for this course does not apply toward any program in sociology.*

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 Social Change (3)

An examination of social changes precipitated by the invention, discovery, and diffusion of products and technologies as society moves into the 21st century. Technology-driven changes are explored within topics such as the restructuring of occupations and the workplace, threats to personal privacy, the emergence of virtual culture, the impact of the Internet on the concept of human interaction and ethical issues created by technological advancements. *Prerequisite: SOC 2275.*

SOC 3302 Small Groups (3)

An analysis of theory and research relating to the structure, functions, and processes of small groups. The course will explore group formation, structure, cohesion, conformity, power, leadership, and communication. *Prerequisite: SOC 2275.*

SOC 3310 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 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)

Study of family, its origin, development, and problems affecting marital relations and happiness. *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, focus groups, and on-line methodologies. *Prerequisite: SOC 2275.*
- SOC 3365 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. *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 3380 Social Behavior (3)**
A survey of social psychology from a sociological perspective. Emphasis is placed on traditional and contemporary theory and research dealing with the nature, causes, and consequences of human social 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 Demography (3)**
Overview of sociological and demographic theories of the growth, decline, and movement of human populations. Focus is given to concepts, methods and techniques used in the social sciences to qualitatively and quantitatively examine the causes and consequences of global demographic change. *This course may be taken for geography credit. Prerequisite: SOC 2275.*
- SOC 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. *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 Stratification (3)**
This is an introduction to structures of social inequality. It surveys classical sociological theories of inequality and reviews current empirical data on stratification world wide. Students explore the impact of stratification on lifestyles, including such topics as family, educational opportunities, religious practices, status attainment, and social mobility. *Prerequisite: SOC 2275.*
- SOC 4425 Survey Research (3)**
An introduction to the foundations of social research and the major types of research methods employed in sociology. *Prerequisite: SOC 2275.*
- SOC 4430 Sociology of Religion (3)**
Sociological analysis of religion, including the effect of religion on behavior and attitudes and the inter-institutional relationships between religion and other institutions within the U. S. *Prerequisite: SOC 2275.*
- SOC 4433 The Community (3)**
A comparative view of the social organization of communities having widely different economic, spatial and cultural bases, analyzing the structure and interrelationship between the community and other social institutions and organizations. *Prerequisite: SOC 2275.*
- SOC 4435 The Sociology of Organizations (3)**
A history and analysis of complex organizations from early to modern times. *Prerequisite: SOC 2275.*
- SOC 4436 Social Evolution: Anarchy to Democracy (3)**
Social analysis of human history from bands to modern societies. *Prerequisite: SOC 2275.*
- SOC 4440 Sociology and the Internet (3)**
Provides an overview of using the Internet for social science research and practice. *Prerequisite: SOC 2275.*
- SOC 4441 The Sociology of Logic and Emotion (3)**
A study of the links between logic and emotions. *Prerequisite: SOC 2275.*
- SOC 4456 Gerontology (3)**
A survey of the aged in America, with emphasis on the psychosocial aspects of aging. *Prerequisite: SOC 2275.*
- SOC 4459 Medical Sociology (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, and the politics of health. *Prerequisite: SOC 2275.*
- SOC 4490 Internship in Sociology (3)**
Applications of skills and knowledge of sociology in government agency, foundation, public service institution or similar situation under the supervision of a faculty member. *Prerequisite: 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 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 ma-

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 3330 Integrating Assistive Technology (2)

This course will provide an overview of computer-based technologies as they relate to the teaching and learning of all students, as well as the use of assistive technology to facilitate the successful integration of individuals with disabilities. Selection, modifica-

tions, and classroom use of technologies to improve or bypass physical, sensory, communicative, learning, and social limitations will be explored. *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 3346 Assessment in Special Education (3)

The purpose of this course is to provide students with a comprehensive study of assessment of the exceptional student. This course emphasizes the underlying concepts of tests and measurement, formal and informal assessment, test administration, the interpretation and utilization of test information for identification and eligibility, and the interpretation and utilization of diagnostic results in educational intervention. *Prerequisite: admission to TEP.*

SPE 3349 Introduction to Mild Disabilities (3)

A survey of the physical, sensory, communication, cognitive, and behavioral characteristics of students with mild disabilities (to include students with specific learning disabilities, mental retardation, and emotional disabilities) and the impact of these characteristics on learning, curriculum, program development, and needed services and support. *Prerequisite: admission to TEP.*

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 4445 Educational Evaluation of Exceptional Children (3)

This course is designed to provide the pre-service teacher with knowledge and skills in the selection, 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 4460 Collaboration in Education Practices (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 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. Corequisite: 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."*

SPANISH COURSES (SPN)

Note: For additional information, see Placement in Academic Courses.

SPN 1110 Conversational Spanish 1 (3)

The first of two courses designed to study conversational Spanish. Emphasis is given to developing rudimentary oral proficiency in

Spanish. Basic word recognition and listening skills will also receive attention. Hispanic culture will also be addressed. The course consists of lectures, videos, language drills and conversational exercises. (Credit for this course does NOT apply toward the Spanish major or minor.)

SPN 1111 Conversational Spanish 2 (3)

The second of two courses designed to study conversational Spanish. Emphasis is given to developing rudimentary oral proficiency in Spanish. Basic word recognition and listening skills will also receive attention. Hispanic culture will also be addressed. The course consists of lectures, videos, language drills and conversational exercises. (Credit for this course does NOT apply toward the Spanish major or minor.)

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 2242 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.*

<p>SPN 3370 Selected Topics in Spanish (3) Selected topics generally not covered in other Spanish courses. <i>May be repeated for credit. Prerequisite: SPN 2242 or permission of instructor.</i></p> <p>SPN 4448 Spanish Literature I (3) Selected authors, periods, or genres in the literature of Spain. <i>Prerequisite: SPN 2242 or permission of instructor.</i></p> <p>SPN 4449 Spanish Literature II (3) Selected authors, periods, or genres in the literature of Spanish-America. <i>Prerequisite: SPN 2242 or permission of instructor.</i></p> <p>SPN 4451 Spanish Culture and Civilization I (3) Geography, history, cultural achievements, institutions, and daily life of Spain. <i>Prerequisite: SPN 2242 or permission of instructor.</i></p> <p>SPN 4452 Spanish Culture and Civilization II (3) Geography, history, cultural achievements, institutions, and daily life of Spanish-American cultures. <i>Prerequisite: SPN 2242 or permission of instructor.</i></p> <p>SPN 4491-92 Guided Independent Research (1 to 3 credit hours per course per semester) Additional information is indexed under Independent Study and Research.</p> <p>SPN 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester) Additional information is indexed under Independent Study and Research.</p>	<p>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. <i>Prerequisite: admission to TEP. Corequisite: SED 4454.</i></p> <p>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. <i>Prerequisite: admission to TEP.</i></p> <p>SS 4498 Social Science Theory (3) A survey of the major theorists in the social sciences, emphasizing those who made critical contributions influencing the several social science disciplines and contemporary theorists whose works have an interdisciplinary element.</p> <p>SS 4499 Senior Seminar (3) In this course, the senior-level social science student prepares for the transition to graduate school/career. The student explores himself/herself as a person and as a social scientists in an effort to choose a fulfilling career path. In addition to career exploration, students conduct a senior project in an area of interest consistent with their academic program.</p>
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SOCIAL SCIENCE COURSES (SS)

<p>SS 3375 Introduction to Social Science Inquiry (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. <i>Prerequisite: general studies math.</i></p> <p>SS 3376 Statistical Applications of Social Science Inquiry (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. <i>Prerequisite: general studies math.</i></p> <p>SS 3377 Spatial Applications of Social Science Inquiry (3) Continued detailed description of what social scientists do with the information they gather. Particular attention is given to mapping data using geographic information systems, a technology with a wide range of applications.</p>

SOCIAL WORK COURSES (SWK)

<p>SWK 2250 Introduction to Social Work (3) The student is introduced to the profession of social work. Class focuses on the knowledge, skills and values essential for effective practice. Each student will be provided an opportunity to have direct contact with a practicing social worker. <i>Prerequisite: HS 2230.</i></p> <p>SWK 2280 Social Work 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. <i>Prerequisite: MTH 1110 or 1112 and IS 2241.</i></p>

- SWK 2281 Social Work 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: SWK 2280.*
- SWK 3301 Children and Family Services (3)**
Child welfare services from both the public and private sectors of social work practice will be assessed, emphasizing the availability and effectiveness of services for children and their families in the United States. The historical development of the child welfare movement will be examined.
- SWK 3302 Social Service Resources (3)**
Examination of social welfare services and institutions, public and private, to include historical development, philosophical basis, structure, and function.
- SWK 3303 Crisis Intervention (3)**
Case management techniques for dealing with crisis. Crisis theory, stress management, and time-limited intervention will be examined.
- SWK 3304 Social Work Practice In Health Settings (3)**
A survey of the use of professional social work in a variety of health care delivery settings. Exposure to basic medical terminology needed by social workers. Overview of the social aspects of disease, illness, and disability.
- SWK 3320 Human Behavior In the Social Environment II (3)**
An examination of the social dynamics of discrimination and oppression and particularly how discriminatory and oppressive environments have potential for negatively affecting biopsychosocial growth and development.
- SWK 3340 Social Policy and Planning (3)**
Exploration of the social policy formulation process and the building of analysis skills in the evaluation of social policy and programs. The impact of political, economic, and social forces is a focal point and the process of incrementalism in implementation is examined. *Prerequisites: HS 2230 or permission of instructor.*
- SWK 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. *Prerequisites: HBSE I and HBSE II or approval from instructor.*
- SWK 3390 Social Work with Individuals and Families (3)**
The melding of the systems and developmental perspectives and the problem-solving approach as a basis for generalist social work practice with individual and family systems. Assessment, intervention, and evaluation skills are developed. *Prerequisite: admission to the professional social work curriculum.*
- SWK 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/SWK major with senior standing or permission of instructor.*
- SWK 4471 Social Work with Groups (3)**
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. *Prerequisite: SWK 3390. Corequisite: SWK 4472.*
- SWK 4472 Social Work with Organizations and Communities (3)**
Assessment and intervention with the community or organization as a client system. Skill building in evaluation of one's own practice continues. *Prerequisite: SWK 3390. Corequisite: SWK 4471.*
- SWK 4480 Social Work Pre-Practicum (1)**
Preparation for SWK 4481. *Corequisite: SWK 4471 and SWK 4472.*
- SWK 4481 Social Work Practicum (12)**
Placement in a social service agency which provides the opportunity to practice and develop beginning professional social work skills under the joint supervision of a faculty and an agency supervisor. Includes a weekly seminar plus a minimum of 500 hours in a particular agency setting. *Prerequisites: Social work major in good standing, SWK 4480. Practicum site must be approved by instructor during SWK 4480.*
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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 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 Career Exploration and Planning (1)**
The primary purpose of this course is to assist students who are undecided in 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 Study Skills (1)**
The primary purpose of this course is to teach students the skills needed to succeed in college. Structured for freshmen and sophomores, the skills taught will also benefit returning adult learners and any student having academic difficulties.

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 Career Preparation and Job Search Techniques (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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Associate Controller Lauri Dorrill, B.S., B.A., CPA
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Chief of University Police John McCall, B.S.

Complete faculty information is available from the Office of the Senior Vice Chancellor for Academic Affairs.

UNDERGRADUATE FACULTY

- 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.** *Associate Professor*, Global Campus. B.A., Baghdad University, 1980. M.Ed., Tuskegee University, 1983. Ph.D., Wayne State University, 1988.
- 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*, Montgomery. 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.
- Allen, Tina Kathalyn D., 1987.** *Associate Professor*, Montgomery. B.S.N., Tuskegee University, 1976. M.S.N., University of Alabama at Birmingham, 1979. Ed.D., Auburn University, 2004.
- Ames, Orrin K., 2011.** *Assistant Dean for Administration, Sorrell College of Business; Associate Professor*, Dothan. B.S., University of Alabama, 1966. J.D., Samford University, 1969. L.L.M., Harvard Law School, 1976.
- Amonson, Christina, 2012.** *Assistant 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, Holly H., 1993.** *Assistant Professor*, Troy. B.S.E., Auburn University, 1984. M.S.E., Troy State University, 1987. Ed.S., Auburn University at Montgomery, 1996.
- Anderson, John H., 1989.** *Associate Professor*, Troy. B.S.E., Auburn University, 1965. M.S.E., Troy State University, 1969.
- 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.
- Arrington, David L., 2005.** *Assistant Professor*, Dothan. B.S., University of Southern Mississippi, 1997. Ph.D., University of Alabama, 2008.
- Arrington, Pamela, 2009.** *Associate Dean, Professor*, Montgomery. B.A., Spelman College, 1974. M.A., The University of Michigan, 1975. Ph.D., George Mason University, 1995.
- Avant, Bernard, 1998.** *Assistant Professor*, Troy. B.A., Florida A & M University, 1968. M.S., Loma Linda University, 1973.
- 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.
- 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.
- Bailey, S. Scott, 2004.** *Associate Dean, Sorrell College of Business; 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.
- Bamman, Joyce, 2013.** *Lecturer*, Troy. B.S., Middle Tennessee State University, 1994. M.F.A., The University of Memphis, 2009.
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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

For purposes of Troy University's policy, harassment is any comments or conduct consisting of words or actions that are unwelcome or offensive to a person in relation to sex, race, age, religion, national origin, color, marital status pregnancy, or disability or veteran's status. 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

For the purposes of Troy University's policy, discrimination is defined as any action resulting in illegal differentiation or adverse treatment of an individual based on their age, sex, race, religion, national origin, marital status or veteran status.

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.

<u>Individual Accused</u>	<u>Appropriate Committee to Hear Claim</u>
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 the University	· Vary depending on circumstances

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

STUDENT RECORDS POLICY

The Family Educational Rights and Privacy Act (Buckley Amendment, 20 U.S.C. 1230, 1232g). Effective Date, April 8, 1976

Troy University compiles and maintains information about students which facilitates educational development of the student and effective administration of the university. To better guarantee the rights and privacy and access as provided by the Family Educational Rights and Privacy Act of 1974, (Buckley Amendment, 20 U.S.C. 1230, 1232g) Troy University has adopted the following policies and procedures:

1. GENERAL POLICY.

Troy University shall not permit access to or the release of education records of personally identifiable information contained therein, other than directory information as defined in paragraph 4 herein, without the written consent of the student, to any party other than the following:

A. Other school officials and teachers of this university who have been determined by the university to have legitimate educational interests. A school official is:

- A person employed by the university in an administrative, supervisory, academic or research, or support staff position.
- A person elected to the Board of Trustees.
- A person employed by or under contract to the university to perform a special task, such as the attorney or auditor.

A school official has a legitimate educational interest if the official is:

- Performing a task that is specified in his or her position description or by a contract agreement.
- Performing a task related to a student's education.
- Performing a task related to the discipline of a student.
- Providing a service or benefit relating to the student or student's family, such as health care, counseling, job placement or financial aid;

B. Officials of other schools or school systems in which the student seeks or intends to enroll, upon condition that the student may receive a copy of the record if desired, and have an opportunity for a hearing to challenge the content of the record;

C. Certain authorized representatives of federal departments or agencies or state educational authorities for purposes of audits, evaluative studies, etc. Data collected will be protected in a way which prevents personal identification except when specifically authorized by federal law. The data will be destroyed when no longer needed for such purposes;

D. In connection with a student's application for, or receipt of, financial aid;

· State and local officials or authorities to which such information is specifically required to be reported or disclosed pursuant to state statute adopted prior to Nov. 19, 1974;

E. Organizations conducting studies for, or on behalf of, educational agencies or institutions for the purpose of developing, validating, or administering predictive tests, administering student aid programs and improving instruction, if such studies are conducted in such a manner as will not permit the personal identification of students by persons other than representatives of such organizations and such information will be destroyed when no longer needed for the purpose for which it is conducted;

F. Accrediting organizations in order to carry out their accrediting functions;

G. Parents of a student who is a dependent for income tax purposes;

H. Pursuant to a lawful subpoena or court order;

I. Other appropriate persons in an emergency to protect the health or safety of the student or others. Students shall have access to all such information in accordance with the procedure out-

lined 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.

INDEX

Academic Affairs (Divisions of the University).....	194	Biology, Pre-professional Major.....	51
Academic and Leadership Scholarship Programs.....	38	Board of Trustees.....	201
Academic Evaluations, Degree Plans /	20	Board of Trustees, Administration and Faculty.....	201
Academic Regulations.....	15	Broadcast and Digital Network.....	6
Academic Support.....	5	Broadcast Journalism Major.....	71
Academic Year.....	15	Buckley Amendment.....	214
Accelerated Study for Superior Students.....	19	Business Administration Core.....	65
Accident and Sickness Insurance Plan, Student.....	7	Business, Global General Minor.....	67
Accounting Courses (ACT).....	96	Business Courses (BUS).....	113
Accounting Major.....	65	Case Management Minor.....	89
Accreditation.....	2	Centers and Institutes.....	5
Administration.....	195	Chancellor.....	200
Admission for Students Graduating from Non-Accredited Institutions (including home schooled students).....	14	Chemistry Courses (CHM).....	113
Admission Requirements.....	11	Chemistry Education.....	51
Admission, International.....	12	Chemistry Major.....	52
Admission, Temporary.....	14	Chemistry Minor.....	52
Advanced Courses.....	16	Chemistry Program.....	52
Advanced International Certificate of Education (AICE).....	25	Chinese (Mandarin) Courses (CHI).....	113
Advanced Placement (AP) Examinations.....	23	Class Section Cancellation.....	16
Advancement (Divisions of the University).....	194	Classics Courses (CLA).....	117
Advertising Media Minor.....	74	Classics Minor.....	74
Advertising courses (ADJ).....	97	Classification.....	16
Air Force/Aerospace Courses (AS).....	105	Clearance of Obligations.....	26
Air Force/Aerospace Studies Minor.....	47	CLEP Examinations.....	22
Affiliations.....	2	Collaborative Teacher (K-6).....	83
Alumni Association.....	5	Collaborative Teacher (6-12).....	84
American Sign Language Courses (ASL).....	106	College Credit.....	16
Anthropology Courses (ANT).....	101	Communication and Fine Arts, College of.....	69
Anthropology Major.....	47	Communication Courses (COM).....	118
Anthropology Minor.....	47	Communication Arts Major.....	71
Appeals, Grade.....	17	Communication Studies Minor.....	72
Appendices.....	219	Complaint Policy.....	10
Applied Behavior Analysis Minor.....	80	Comprehensive General Science Program.....	53
Arabic Courses (ARB).....	101	Computer Science A.S. Degree.....	53
Archival Studies Minor.....	47	Computer Science Courses (CS).....	119
Art and Design Courses (ART).....	102	Computer Science Minor.....	53
Art Education.....	69	Computer Science Program.....	53
Art Major.....	69	Computer Science, Applied Major.....	54
Art Minor.....	70	Conduct, Standards of.....	9
Art, Bachelor of Fine Arts in Studio.....	70	Contract Program.....	19
Arts and Sciences, College of.....	47	Course Descriptions.....	95
Associate Degree Parameters.....	41	Course Sequences.....	16
Associate Degrees.....	15	Credit Definitions.....	16
Athletic Training Courses (AT).....	107	Credit Hours, Degrees and Required.....	40
Athletic Training Program.....	87	Credit Load Calculation.....	17
Athletics, Intercollegiate.....	6	Creed, Troy University Student.....	9
Attendance Policy.....	15	Criminal Justice Courses (CJ).....	115
Audit.....	13, 15	Criminal Justice Major.....	54
Aviation Flight Courses (AFT).....	97	Criminal Justice Minor.....	54
Aviation Operations Minor.....	47	Cross Discipline Courses (CDC).....	44, 113
Awards.....	18	Cybersecurity Minor/Certificate.....	54
B.S./B.A. Business Administration Degree Requirements.....	64	Dance Courses (DAN).....	121
Baccalaureate Degree Parameters.....	41	Dance, BFA in.....	72
Baccalaureate Degrees.....	15	Dance Minor.....	73
Bachelor of Arts Foreign Language Requirements.....	41	Dantes Subject Standardized Test Scores, DSST.....	21
Behavioral Treatment of Individuals with Autism Certificate.....	77	Degree Plans / Academic Evaluations.....	19
Biology Courses (BIO).....	108	Degrees and Required Credit Hours.....	41
Biology Education.....	48	Degrees.....	41
Biology Major.....	48	Design, Technology and Innovation, Center for.....	5
Biology Minor.....	49	Disability Services: Policies and Procedures.....	10
Biology Program.....	50	Dramatic Arts Courses (DRA).....	124
		Drop.....	17

Drops, Withdrawals and Refunds	27	Grading System	18
DSST (Dantes Subject Standardized Test) Scores	21	Graduate School	6
Dual Enrollment	11	Graduation, Requirements for	19
Early Admission to Accredited Professional Schools	40	Grants	28
Early Admission	11	Graphic Design Major	68
Early Childhood Education (P-3)	82	Graphic Design Minor	74
Early Childhood Education Courses (ECE)	127	Greek Courses (GRK)	141
Earth and Space Studies Minor	55	Harassment and Discrimination, Policy on	219
eTROY	8	Health Courses (HLT)	146
E-Commerce System	27	Health and Human Services, College of	86
Economics Courses (ECO)	128	Health Education Major	90
Economics Major	55	Health Promotion Minor	90
Economics Major, B.S.B.A.	66	History Courses (HIS)	142
Economics Minor	67	History Education	57
Education Courses (EDU)	129	History Major	57
Education Program Availability, Undergraduate	77	History Minor	58
Education, College of	77	History of the University	4
Elementary Education (K-6)	83	Homeland Security Minor	58
Elementary Education Courses (ELE)	130	Honors	18
Emergency Situations	18	Honors Program, University	43
Emeriti Faculty	217	Hospitality, Tourism and Sport Management, School of	86
Eminent Scholars	6	Hospitality, Tourism and Sport Management Courses (HSTM)	147
Endowed Chairs and Professorships	6	Hospitality, Tourism and Sport Management Major	91
English as a Second Language Courses (ESL)	135	Hospitality Management Minor	91
English as a Second Language Program	45	Human Services Courses (HS)	149
English Courses (ENG)	131	Human Services Major	92
English Major	73	Human Services Minor	92
English Minor	73	Humanities Minor	58
English Minor, Creative Writing	73	Inclement Weather and Emergency Situations	18
English Minor, Professional Writing Emphasis	73	Incomplete Grade	18
English Placement for Non-Native Speakers of English	13	Independent Study and Research	19
English Proficiency Requirements for Admitted Students	13	Information and Technology	6
English–Language Arts Program	73	Information Systems Courses (IS)	151
Environmental Science Minor	55	In-State and Out-of-State Status	27
Environmental Science Program	55	Institutional Research, Planning and Effectiveness (IRPE)	5
Exercise Science Program	89	Insurance Plan, Student Accident and Sickness	7
Exercise Science Minor	90	Intent to Graduate	19
Expenses	26	Interdisciplinary Education (P-12)	85
Experiential Credit	16	Interdisciplinary Education Courses (IED)	151
Experiential Learning Credit	45	Interdisciplinary Studies Courses (IDS)	150
Faculty, Active	202	International Baccalaureate (IB) Credit	24
Faculty, Emeriti	216	International Business and Economic Development, Center for	5
FAFSA (Free Application for Federal Student Aid)	28	International Center for Collaboration and Creativity	5
Family Educational Rights and Privacy Act	214	International Economic Development Courses (ECD)	127
Finance and Business Affairs (Divisions of the University)	194	International Programs, Center for	5
Finance Courses (FIN)	136	Interpreter Training Program	78
Financial Assistance	28	Interpreter Training Program Courses	152
Foreign Language Course (FLN)	137	Interpreter Training Minor	78
Foundation Scholarships and Loans	29	Interpreting Training Courses (ITP)	150
Foundation, Troy University	8	Japanese Courses	155
French Courses (FRN)	137	Journalism Courses (JRN)	155
French Minor	74	Journalism, Multimedia Major	73
Funds Held	26	Journalism, Multimedia Minor	73
General Education A.A. Degree	56	Kinesiology and Health Promotion Courses (KHP)	157
General Education A.S. Degree	56	Korean Courses (KOR)	161
General Information	5	Latin Courses (LAT)	161
General Studies Program	42	Latin Minor	75
Geographic Information Systems (GIS) Minor	56	Law Courses (LAW)	162
Geography Courses (GEO)	140	Leadership Courses (LDR)	161
Geography Minor	57	Leadership Development, Institute for	5
German Courses (GER)	140	Leadership Scholarship Programs, Academic and	38
Global Business Major	65	Leadership Development Minor	58
Global Campus	7	Legal Studies Courses	163
Global General Business Minor	67	Legal Studies Minor	58
Grade Appeals	17	Liberal Studies Program	59
Grade Point Average (GPA)	18	Liberal Studies Courses (LST)	162

Library.....	7	Public Relations Minor.....	75
Loans.....	26, 29	Public Relations Journalism courses (PRJ).....	185
Loans, Foundation Scholarships and.....	29	Quantitative Methods Courses (QM).....	188
Loans, Student Bank.....	29	Reading/Literacy Courses (RED).....	189
Management Courses (MGT).....	164	Readmission.....	13, 19
Marine Biology Courses (MB).....	163	Recreation Minor.....	91
Marine Biology Program.....	59	Refunds, Drops, Withdrawals and.....	27
Marketing Courses (MKT).....	165	Refunds, Student.....	26
Master Mentor Program.....	78	Registration.....	19
Mathematics Courses (MTH).....	168	Rehabilitation Courses (RHB).....	189
Mathematics Education.....	60	Rehabilitation Program.....	79
Mathematics Major.....	60	Residency.....	20
Mathematics Minor.....	60	Resources and Technology Management, B.A.S. in.....	48
Medical Courses (MLS).....	166	Retention.....	20
Memberships.....	2	Risk Management and Insurance Courses (RMI).....	190
Military Electives.....	46	RN-to-BSN, General Studies courses.....	93
Military Operations Minor.....	60	Russian Courses (RUS).....	191
Military Science and Leadership Courses (MSL).....	167	Scholarships and Loans, Foundation.....	29
Military Science Minor.....	60	Science Courses (SCI).....	191
Minor in Civic and Community Engagement.....	45	Science Education.....	61
Mission Statement, University.....	4	Secondary Education (6-12).....	84
Multimedia Journalism Major.....	74	Secondary Education Courses (SED).....	192
Multimedia Journalism Minor.....	74	Senior Vice Chancellors.....	194
Music Courses.....	171	Service Members' Opportunity College Program.....	20
Music, Choral Education.....	76	Social Science Courses (SS).....	198
Music Industry Courses (MUI).....	170	Social Science Education.....	61
Music Industry Minor.....	76	Social Science Major.....	62
Music Major.....	75	Social Science Minor: General Social Science.....	62
Music Minor.....	76	Social Work Courses (SWK).....	198
Music, Instrumental Education.....	76	Social Work Program.....	95
Nutrition Minor.....	94	Sociology Courses (SOC).....	193
Nursing Courses (NSG).....	175	Sociology Major.....	62
Nursing, Associate of Science (ASN).....	92	Sociology Minor.....	62
Nursing, Bachelor of Science (BSN).....	93	Sorrell College of Business.....	64
Offset of Funds.....	26	Sorrell Endowment.....	6
Out-of-State Status, In-State and.....	27	SOS Communication System.....	18
PACT (Prepaid Affordable College Tuition Program).....	29	Spanish Courses (SPN).....	197
Parking Decals.....	27	Spanish Major.....	76
Payment of Account Summary.....	26	Spanish Minor.....	76
Payment of Registration Expenses.....	26	Special Education Courses (SPE) (Collaborative Teacher).....	195
Payment Plan.....	26	Specialized Curricula.....	44
Persian Courses (PER).....	180	Sponsored Programs.....	7
Philosophy Courses (PHI).....	180	Sport Management Minor.....	91
Physical Education Major.....	94	Standards of Conduct.....	9
Physical Science Minor.....	61	State Authorizations.....	8
Physics Courses (PHY).....	180	Student Records Policy.....	222
Physics Major.....	60	Student Services and Administration (Divisions).....	194
Physics Minor.....	61	Student Services.....	9
Placement in Academic Courses.....	19	Surveying and Geomatics Sciences Courses (GEM).....	137
Policy on Harassment and Discrimination.....	211	Surveying and Geomatics Sciences Program.....	62
Policy Statement.....	inside front cover	Suspension.....	20
Political Science Courses (POL).....	182	Teacher Certification.....	81
Political Science Major.....	61	Theatre Education.....	76
Political Science Minor.....	61	Theatre Minor.....	76
Post Degree Status.....	14	Tobacco Policy.....	10
Pre-Professional Careers.....	46	Tourism Management Minor.....	91
Prizes, Troy University Foundation.....	37	Transfer Applicants.....	12
Probation.....	19	Transfer Credit from Foreign Universities.....	12
Professorship.....	6	Transfer Credit from Universities in the United States.....	12
Program Availability Matrix.....	40	Transfer Credit.....	16
Promotion Minor.....	68	Transient Credit.....	16
Psychology Comprehensive Program.....	80	Transient Status.....	13
Psychology Courses (PSY).....	185	Troy Global Campus.....	7
Psychology Major.....	79	Troy University Courses (TROY).....	199
Psychology Minor.....	80	Tuition and Expenses.....	26
Public Information Minor.....	74	University Honors Program.....	44

University Honors Program Courses (HON)	146
University Relations	8
Upper Level Courses	16
Veteran Benefits	29
Visa, Additional Requirements for a Student	12
Withdrawal	20
Withdrawals and Refunds, Drops	27
Withdrawals for Students Receiving Title IV Aid	27

