
2005–2006
Troy University
Undergraduate Catalog

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

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

TROY UNIVERSITY

ACCREDITATION

Troy University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane; Decatur, Georgia 30033-4097; telephone number 1-404-679-4501) to award the associate degree, the bachelor's degree, the master's degree, and the education specialist degree. Refer to the college, school and department sections for specialized accreditation information.

Troy University is a member of the following:

- Alabama Association of Colleges for Teacher Education
- Alabama Association of College Administrators
- American Association of Colleges of Nursing
- American Association of Colleges for Teacher Education
- American Council on Education
- American Association of State Colleges and Universities
- Association of Collegiate Business Schools and Programs
- Association to Advance Collegiate Schools of Business
- Commission on Accreditation of Allied Health Education Programs
- Council for Accreditation of Counseling and Related Educational Programs
- Council for Adult and Experiential Learning
- Council on Rehabilitation Education
- Council on Social Work Education
- National Association of Schools of Music
- National Council for the Accreditation of Teacher Education
- National League for Nursing Accrediting Commission
- Southern Council on Collegiate Education for Nursing

Troy University is affiliated with the following:

- Servicemember's Opportunity College Program

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UNIVERSITY MISSION STATEMENT

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

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

WELCOME TO TROY UNIVERSITY

The Academic Year 2005-2006 marks a significant milestone in the history of this venerable institution of higher education dedicated to excellence in all of its endeavors. By the direction of the Board of Trustees, Troy State University becomes Troy University in August, 2005, to reflect more accurately its evolving mission and stature.

This name change represents the fifth major advancement in the storied, dynamic rise of the University to national and international prominence. Enabled by an act of the Alabama Legislature in February 1887, Troy Normal School, or teachers college, as it became familiarly known, matriculated its first class in September, 1887.

From the outset, the institution quickly earned a reputation

for innovation and accessibility. Troy Normal became Troy State Teachers College in 1929, Troy State College in 1957, and Troy State University in 1967.

The Montgomery campus earned independent accreditation in 1983, as did the Dothan campus in 1985. The Phenix City campus and the locations around the nation and the world administered by University College 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.

The Troy University calendar information may be found in each Schedule of Classes or on the following Troy website: www.troy.edu.

GENERAL INFORMATION

For information about the features of each Troy University location, please consult the university web site.

Centers and Institutes

Center for Applied Research

The Center for Applied Research (CAR) conducts research for criminal justice agencies throughout Alabama. The CAR is an administrative part of the Department of Criminal Justice and was created in the fall of 1997. Activities include applied research in criminal justice, improvements in the classroom instruction in the social sciences, and publishing the Criminal Justice Journal. The Journal is practitioner based and provides a forum for discussion of important issues to the criminal justice field.

Center for Business and Economic Services

The Center for Business and Economic Services (CBES) conducts applied research and provides services to businesses and government agencies throughout Alabama. CBES, an administrative unit of the Sorrell College of Business, was founded in December 1974. Activities include applied research, educational activities, management consulting, and publishing the Business and Economic Review semiannually. CBES supports the economic development of small businesses through the Small Business Development Center (SBDC). SBDC offers one-to-one consulting, training, information and government bidding opportunities to small businesses in a ten-county area of southeast Alabama. Opportunities are also available for business students and faculty to work together with area businesses to provide research projects for small firms. Students receive practical knowledge and earn class credits.

Center for Design, Technology and Innovation

Better known as <<dti.troy>>, 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.troy>> is responsible for developing design strategies for qualifying businesses, industries and not-for-profit organizations.

Center for Environmental Research and Service

The Center for Environmental Research and Service (CERS) delivers environmental research, education and service to citizens of the state of Alabama and the region as well as the university community. Through contractual and collaborative relationships with governmental agencies, nonprofit organizations, other institutions of higher education, business, students and individuals, the center conducts and promotes activities designed to maintain or increase environmental quality. The Center for Environmental Research works via applied field and laboratory research to gain a better understanding of the forces which cause environmental degradation in order to fashion workable solutions for the citizens of the state and region. CERS also works to provide citizens with knowledge and tools for preventing or correcting environmental degradation at the community level.

The success of CERS depends upon its ability to work in cooperation with a variety of other organizations. Over the past dozen years, CERS has worked with the Alabama Department of Environmental Management (ADEM) on issues ranging from development of a state revolving loan fund for wastewater treatment system finance to development and delivery of a nonpoint source water quality education program for educators, students and the general public. CERS coordinates the Alabama Nonpoint Source Water Quality Education Program and publishes the Alabama Water Watch and Alabama Nonpoint Source newsletters under contract to ADEM. CERS has also worked with the Choc-

tawhatchee, Pea and Yellow Rivers Watershed Management Authority to monitor water quality in the watershed and to train and support volunteer water quality monitors. CERS strives to involve Troy faculty and students in its monitoring and research programs. Troy graduate and undergraduate students have been involved in all of the CERS monitoring projects, and CERS has been able to provide support for graduate and undergraduate students in the form of assistantships and periodic employment. CERS has been and remains very active in environmental education for educators and students in Alabama. CERS played a key role in establishing the Environmental Education Association of 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. Through the American English Group, the Center for International Programs offers instruction in English as a Second Language 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 mission of the Institute for Leadership Development is to facilitate development of ethical, responsible leaders who are willing to use their leadership knowledge, skills, and attitudes to serve society.

The Institute believes leadership skills and values can be acquired through study, observation, analysis, reflection, precept, example, and practice.

The ongoing goals of the Institute are to:

- Encourage and help other University departments and programs make leadership development a central focus in academic programs, student affairs and professional development opportunities for faculty, staff and area citizens.
- Provide a variety of innovative leadership development opportunities including formal course work, mentorships, fellowships, public service and seminars.
- Promote experiential learning, taking the learner beyond the classroom to relevant settings on and off campus to observe and practice leadership.
- Emphasize the role of ethical leadership in personal success and social improvement.
- Recognize, encourage, promote and reward excellence in 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 for the University and for federal and state agencies concerning enrollment, fa-

cilities, credit hour production, degree completion, faculty, students, academic programs and other University areas. In the areas of institutional planning and effectiveness, the IRPE office coordinates activities which include providing data to the various divisions and units of the University; maintaining copies of institutional effectiveness reports; assisting with assessment of program outcomes; surveying students, alumni, and employers; and reviewing the effectiveness and planning proposals and outcomes for existing, new and revised programs. The IRPE office publishes the Compendium of Survey and Test Results which provides results of surveys and selected tests and the Troy Fact Book which provides demographic information regarding many areas of the University. 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 (SACS) Commission on Colleges (COC).

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 Bulletin 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

Distance Education

Students have various opportunities to take courses using a variety of distance education options. Details are available from advisers, in the course schedule published for each academic term, from the dean of Distance Education and from the applicable web pages.

Radio and Television

The Department of Radio and Television is responsible for TSU-TV; the Southeastern Public Radio Network; support for audio and video materials for distance education courses; promotional audio and videos and taping/airing campus events. The Southeastern Public Radio Network includes WTSU-89.9 MHZ with 100,000 watts serving Montgomery/Troy; WTJB, 91.7 MHZ with 3,000 watts serving Columbus/Phenix City; and WRWA, 88.7 MHZ with 50,000 watts serving Dothan. The network broadcasts diverse international, national and local news, cultural programs and entertainment programs. The network is affiliated with the Corporation for Public Broadcasting, National Public Radio (NPR) and Public Radio International (PRI). TSU-TV is an educational access cable station received by viewers in Troy, Montgomery, Phenix City, Columbus, Georgia; Luverne, Brantley, Goshen, Wetumpka, Prattville and Maxwell AFB. During the academic year students and staff produce TSU Nightly News as a public service and to provide practical experience for students. TSU-TV provides a variety of video services to the TSU System, including distance education, promotional videos, and practical experience for journalism students. TSU-TV also provides programming for many other stations. TSU-TV may be found on the World Wide Web at wtsu.troy.edu. The Department of Radio and Television provides facilities, equipment, materials and staff to enhance the instructional program for broadcast majors of the Hall School of Journalism and for other qualified students campus-wide. The department operates the Radio Reading Service for the sight-impaired and handicapped. A special radio receiver is supplied free of charge to those who are eligible. The department also helps faculty who are teaching video-based distance education courses offered using a variety of delivery methods. This help includes production of audio and video segments and supporting faculty during on-air or taping activities. The Department of Radio and Television also produces a variety of promotional videos for TSU units, videotapes a variety of musical programs, lectures, sports and community/university events for tape-delayed airing on TSU-TV, and provides limited television and radio support and advice to faculty and staff throughout the TSU System.

Instructional Support Services

Troy University offers students a variety of instructional support services, including resources to assist students in areas such as technology, basic study skills, academic planning, and tutoring in selected courses. Students should contact the registrar or an academic adviser at their campus locations for more information about available resources.

Intercollegiate Athletics

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

Beginning in the fall of 2005, all Trojan sports will compete in the Sun Belt Conference which includes 13 schools from Alabama, Arkansas, Colorado, Florida, Kentucky, Louisiana, Tennessee and Texas. In the fall of 2001, the football program successfully completed its first year in Division I-A as an independent with a 7-4 record. After earning the respect of national powers the University of Miami and the University of Nebraska, the Trojans shocked SEC powerhouse Mississippi State during their homecoming. Troy State exited Starkville, MS with a 21-9 victory. Since then, the Trojans have defeated nationally ranked Missouri and Marshall (twice).

Similarly, the other 15 Trojan sports have enjoyed great success since reclassification to NCAA Division I in the fall of 1993.

The Trojan golf team received a tenth-in-the-nation ranking in 1994 and advanced to the NCAA Regional Tournament in '95. The Troy baseball team advanced to the Division I Regional Tournament in '95 and '96. Troy's softball team won the conference championship, defeated the Ohio Valley Conference champions in a play-in, and advanced to post-season play in '96, the first softball team from the state of Alabama ever to do so.

Further, the men's basketball team has dominated the Atlantic Sun Conference in recent years by capturing the regular season Conference Championships in 1999-2000, 2001-02, 2002-03 and 2003-04. "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.

University athletic teams have a history of success at every level. In all, Troy has won 11 NCAA National Championships in four different sports. The 1968 football team earned notoriety by winning the NAIA national championship with a wide-open passing attack that was years ahead of its time. The men's golf team won NCAA Division II national crowns in 1976, 1977, and 1984, while the Lady Trojan golfers were national 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), the Ben F. Beard Recruiting Lounge, a 3,000 square-foot weight training center, locker rooms, and several meeting rooms. Adjacent to the Davis Field House is the newly renovated 2,250-seat Pace-Riddle baseball stadium, Trojan Oaks Golf Course (nine holes of championship golf), the recently expanded 30,000-seat Movie Gallery Stadium, and two football practice fields. Other nearby facilities include our new Trojan softball complex (completed in the fall 2001) and our soccer/track complex (completed in the spring 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 students and the Troy community. The renovated 4,000-seat Trojan Arena is home to both basketball teams and the volleyball team.

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.

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, ILIOS (Greek for Troy), consists of the on-line public access catalog, numerous bibliographic databases, many with full text, and WebCat—the WWW access vehicle. 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.

National Alumni Association

The Troy State University National Alumni Association's sole purpose is to establish mutually beneficial relations between Troy State 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 1-877-4TROYST.

Office of Sponsored Programs (OSP)

The Office of Sponsored Programs (OSP) assists University personnel in all phases of grant and contract development, from identifying potential funding sources, to development and disposition of proposals, to post award grant management assistance (upon request). The Office of Sponsored Programs maintains a library of grant/contract information and guidelines to assist the potential grant/contract writer in locating funding opportunities. The OSP also maintains a database and repository of grants/contracts pursued by faculty and staff. The OSP actively supports and promotes the efforts of University grant/contract writers. Successful grant/contract funding has provided the University with the initial funding for many of its current programs, and the OSP continues to enhance the University environment by assisting faculty and staff in pursuing external funding for new programs, services and research. Additional information about the Office of Sponsored Programs can be obtained at (334) 670-3102 or <http://spectrum.troyst.edu/~OGAC/>.

Troy University Foundation

As authorized by the Board of Trustees, the Troy State University Foundation was established in 1968. The foundation is a permanent, non-profit organization created to attract private support for the TSU 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 Vice-President of Institutional Advancement at: 334-670-3608 / fax 334-670-5656 / email alumdev@trojan.troyst.edu.

University College

University College is responsible for the delivery of off-campus, out-of-state educational programs. The college is comprised of five geographic regions with approximately 60 branches and teaching sites located in 13 countries and 17 states. The branches and sites are not only based on or near military installations to serve military and civilian personnel and their dependents, but sites also exist within large metroplexes and at partnership universities overseas. The administration of University College is the responsibility of the vice chancellor, University College.

University College academic programs and course offerings are the joint responsibility of the Troy campus colleges, academic departments and University College personnel. The Troy campus functions include quality control, new program approval, and faculty certification. The vice chancellor of University College has line authority over the regions and coordinates program control and faculty selection with the regional directors and the deans of multi campus colleges.

The Troy campus student services functions provide and monitor admission activities, maintain the official academic records, provide transcripts, and issue degrees for all students enrolled in the component units of University College. The college is a member of the Servicemembers' Opportunity College (SOC) and the Council for Adult and Experiential Learning (CAEL).

Nature of Off-campus Programs

University College is designed to meet the needs of working professionals, military and government agency civilians, their dependents and other adults seeking degrees in the U.S. and worldwide. 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.

Internationally, University College provides the same curriculum in English to students who want an American degree but are not able to travel to the U.S. The international students meet the same admission criteria as international students on the Troy campus. 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. Similar arrangements exist with partnership universities overseas.

Student Services

The vice chancellor of University College, in cooperation with the senior vice chancellor for student services, is responsible for the various student services at University College locations. These services are geared to meet the needs of students at each location and include orientation, counseling, financial aid, transcript service, graduation ceremonies as well as other services and activities such as library support and alumni organizations.

Tuition and Fees

Each University College campus provides its own schedule of tuition fees for students and procedures for payment and refunds.

Additional Information

Registration times and locations are published in class schedules for each University College campus. Supplemental information may be obtained by contacting any University College campus.

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 and pro-

vides necessary events coordination. 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 on all campuses, assuring a wide range of opportunities for a diverse student population. Students, who come to the campus 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 the campus. 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: Auxiliary Services, Enrollment Services, Financial Aid, Housing and Residence Life, Student Activities, Student Development and Counseling, Student Involvement and Leadership, University Police, and Upward Bound. For a more detailed description of services, please refer to the student handbook, *The Oracle*.

STANDARDS OF CONDUCT

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

General

All students enrolling in Troy University assume an obligation to conduct themselves at all times as responsible members of the campus community and in accordance with standards of common decency and decorum, with recognition and respect for the personal and property rights of others and the educational mission of the university.

Authority for Rules and Regulations

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

Administrative Responsibility and Authority

The Student Services Division of the university has primary authority for the supervision of student conduct and administration of discipline. The Senior Vice Chancellor for Student Services and campus staff are responsible for working with students and student organizations to encourage support and compliance with university standards. The Senior Vice Chancellor may delegate specific responsibilities to members of his respective staffs, and in some instances, to student government agencies. It is permissible for the Student Services Judicial Officers on each campus to handle disci-

plinary decisions administratively if both the student or student organization and the Judicial Officer agree to an administrative hearing. The Student Services Judicial Officer is responsible for coordinating all disciplinary procedures and maintaining appropriate records of student conduct and disciplinary actions.

Notification of Parents/Guardians due to an Alcohol and/or Drug Violation

Under federal legislation adopted in 1998, the university may notify parents or guardians of students under the age of 21 who are found guilty of an alcohol or other drug violation. This option will be exercised as necessary to ensure the safety and well-being of all students.

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. Destruction, damage, or misuse of university property, public, or private.
6. Theft, attempted theft, burglary, attempted burglary, accessory to these acts, and/or possession of stolen property.
7. Unauthorized manufacture, sale, delivery, use, or possession of any drug or drug paraphernalia defined as illegal under local, state, or federal law.
8. 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.
9. Participation in any form of gambling.
10. Use, possession, or distribution of firearms, bows, illegal knives, fireworks, any incendiary, or any type of explosive device or material. Only duly-constituted law enforcement officers may possess firearms on campus.
11. Disorderly conduct, including rioting, inciting to riot, assembling to riot, raiding, inciting to raid, and assembling to raid university properties.
12. Lewd, indecent, obscene behavior or expression.
13. Trespassing or unauthorized entry to or use of university facilities.
14. 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.
15. Unauthorized possession of a key to any university facility.
16. Interference with the use of or access to university facilities.

ties, 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.

17. Failure to promptly comply with directions of university officials or law enforcement officers acting in the performance of their duties as such officials and officers.
18. Entering false fire alarms, or bomb threats, tampering with fire extinguishers, alarms, or other safety or fire-fighting equipment.
19. Any activity which creates a mentally abusive, oppressive, or harmful situation for another is a violation. Use of the mail, telephone, computer and electronic messages, or any other means of communication to insult, threaten, or demean another is prohibited.
20. Conviction of any misdemeanor or felony that adversely affects the educational environment of the university.
21. 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.
22. Conduct in violation of public law, federal and state statutes, local ordinances, or university regulations or policies whether or not specified in detail, which adversely affects the student's suitability as a member of the academic community and regardless of whether such conduct has resulted in a conviction under a statute of ordinance.
23. Any other activity or conduct not specifically stated herein that impairs or endangers any person, property, or the educational environment of the university.

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 through distance learning and other alternative methods of educational delivery.

Students are encouraged to apply well in advance of proposed entrances although some campuses allow for an optional admission if appropriate application material has not been received by the University. The University reserves the right to investigate and review the records of any prospective student to determine the applicant's eligibility to enroll.

Those seeking admission must submit an Application for Admission accompanied by a nonrefundable application fee that constitutes part of the admission credentials.

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

► *Troy – Phenix City – Dothan – University College – Distance Learning*

Beginning freshmen who are graduates from an accredited and/or state approved high school may be granted unconditional admission with proof of an acceptable test score (18 on the enhanced ACT or 870 on the SAT -1) and a minimum high school GPA of 2.00 on a 4.00 scale. Students at least 21 years of age are not required to submit ACT/SAT scores.

► *Montgomery*

In view of the longstanding and successful service of the Montgomery campus to non-traditional students, beginning freshmen may be admitted to these programs by meeting the following standards:

High School Graduates Under 21 Years of Age

Students who meet the standards for high school graduation and submit an ACT score are granted unconditional admission to the University.

High School Graduates 21 Years of Age or Older

Students in this category must have graduated from high school, with at least a 2.0 GPA, or have earned a GED to qualify for unconditional admission status.

B. Conditional Admission

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

► *Troy – Phenix City – Dothan – University College – Distance Learning*

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 18 on the ACT or 870 on the SAT – 1.

If the applicant's composite score on the ACT is less than 18

(but at least 15) or less than 870 on the SAT -1 (but at least 740), he/she must have a cumulative high school GPA of 2.30 (on a 4.00 scale).

The conditionally admitted student will be permitted to carry a maximum course load of 13 semester hours (seven hours per accelerated semester) until 24 hours of Troy University work are attempted. The student will follow a prescribed course of study designed to strengthen basic skills. Specific courses must be taken where weaknesses have been demonstrated.

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.

► *Montgomery*

High School Graduates Under 21 Years of Age

Students who do not submit ACT or SAT scores are given conditional admission status. After successfully earning at least a 2.00 GPA on the first 24 hours attempted, including satisfactory completion of COM 1110, students qualify for unconditional admission status.

High School Graduates 21 Year of Age or Older

Students who do not have a high school GPA of at least a 2.00 are given conditional admission status. After successfully earning at least a 2.00 GPA on the first 24 hours attempted, including satisfactory completion of COM 1110, students qualify for unconditional admission status.

A conditionally admitted student whose academic performance results in being dropped from program may appeal for readmission to the University through the campus-specific Conditional Appeals Committee (CAC) where the original conditional admission was granted. A student who transfers to another accredited institution after being dropped from program may also appeal the transfer admission to the University through the campus-specific CAC.

Conditional students who are dropped may appeal for enrollment in the University at the campus of their home location after a period of twelve months from the end of their last term completed at the University. If the student has attempted college credit since leaving the University, the student must first apply for admission through the Admissions Office. Prior to making an admissions decision, the Admissions Office will forward the student's credentials to the CAC, if appropriate, for an admission recommendation. Conditional students who have not attempted college credit since being "dropped" must appeal directly to the CAC, if appropriate.

If the appeal is approved, the CAC will prepare an Appeal for Enrollment Form wherein requirements for continuing as a conditionally admitted student will be listed. The student and one member of the CAC will sign the form, with one copy retained in the student's advisement record, one copy sent to Admissions (in the case of a transfer student), and one copy given to the student. The CAC will coordinate the student's readmission with the campus-specific department that is authorized to readmit students.

If a student's appeal is denied, the student will be provided a decision in writing, with a copy of this decision entered into the student's advisement record. A record of this denial will be sent to the Admissions Office if the student is requesting transfer from another accredited institution.

C. Unclassified

Applicants may appeal to the Dean of Enrollment Management, or the appropriate campus designee, for unclassified admission to Troy University. Students attending under unclassified admission status are not eligible for temporary admission and must submit all required documentation prior to completing the first semester (two accelerated semesters or terms), or will not be allowed to enroll in subsequent semesters or terms.

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 was not eligible for admission, coursework will be changed to audit, whether completed or in progress, and no refunds will be given and no academic credit awarded.

Students admitted under unclassified admission status may move their academic program to any of the campuses of Troy University upon completion of one semester (or 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 enrolled 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.

• Home Education

Students who graduate from home school programs must comply with the same requirements as students graduating from traditional programs. Transcripts and diplomas may be self-certified.

Transfer Applicants

Transfer students are applicants who have attempted at least 24 credit hours of coursework, excluding developmental courses, at other colleges or universities.

Transfer applicants must have official transcripts 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 students must also submit transcripts from colleges where registration was completed, even though credit might not have been earned. Transfer students 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**► Troy – Phenix City – Dothan – University College – Distance Learning**

Transfer students 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.

► Montgomery

Transfer students who have attempted 24 hours or more of college level courses, with at least a 2.00 GPA, qualify for unconditional admission status.

B. Conditional Admission

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

► Troy – Phenix City – Dothan – University College – Distance Learning

Transfer students with a GPA 1.70 to 1.99 may be admitted as a conditional student. Transfer students admitted under conditional status are limited to a maximum of 13 hours per semester (seven hours per accelerated semester) until 24 semester hours are attempted.

► Montgomery

Students who have attempted 24 hours or more of college level courses, but have less than a 2.00 GPA, may be admitted under a conditional admission status. After successfully earning at least a 2.00 GPA on the first 24 hours attempted, including satisfactory completion of COM 1110, students qualify for unconditional admissions status.

C. Unclassified

Applicants may appeal to the Dean of Enrollment Management, or the appropriate campus designee, for unclassified admission to Troy University. Students attending under unclassified admission status are not eligible for temporary admission and must submit all required documentation prior to completing the first semester (two accelerated semesters or terms), or will not be allowed to enroll in subsequent semesters or terms.

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 was not eligible for admission, coursework will be changed to audit, whether completed or in progress, and no refunds will be given and no academic credit awarded.

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

International Admission

Contact information for international applicants:

Center for International Programs
128 Pace Hall
Troy University
Troy, AL 36082
USA
(334) 670-3335
intlprog@troy.edu

Application for admission should be made at least three months in advance of the proposed term of entrance to the Center for International Programs, Troy University, Troy, AL 36082, USA. The applications process may be expedited by completion and submission of the following forms through electronic means; however, the credentials themselves must be completed, signed and mailed prior to the issuance of the I-20 form necessary to obtain a visa for entrances into the United States.

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, including notice of graduation.
3. One of the following:
 - Test of English as a Foreign Language (TOEFL) score. The minimum acceptable score is 500 for the paper test and 175 for the computer based test. The TOEFL code for Troy University is 1738. If submitting the IELTS score, the minimum score requirement is 5.5.
 - or*
 - ACT score - Minimum acceptable composite score is 18, with not less than 18 on the English component
 - or*
 - SAT score – Minimum acceptable composite score is 870, with not less than 430 on verbal.
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 \$14,000 per academic year of study.
5. Appropriate Application Fee

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.

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***

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

Post Degree Status

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

Transcripts with posted degree must be submitted. 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 a student who has submitted incomplete information or documentation for full admission to the University. Temporary admission is granted for one term. Students granted temporary admission must submit all missing 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 designee, a second temporary may be extended for the subsequent term. In the event the final records indicates that the student is not eligible for admission, the student shall either be administratively withdrawn from all currently registered coursework or be allowed to complete the coursework for audit.

ACADEMIC REGULATIONS

Academic Year

Troy University locations operate on the semester system. University College locations (campuses not located in Alabama) operate on an accelerated semester schedule.

Associate Degrees

Course Requirements

In order to receive the associate degree, students must complete all course requirements for the degree being taken and declare for the associate degree before declaring for the bachelor's degree.

Credit Hours

Students 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.
4. At least 25% of the credit hours required for the degree must be completed with Troy University.
5. Nine semester hours must be completed in residence at Troy University in the major area of concentration.

Grade Point Average

1. A candidate for graduation must have an overall C average at Troy University (2.0 on a 4.0 scale).
2. A candidate for graduation must have a C average in the concentration. This average includes hours and grade points earned at other universities and colleges as converted to the Troy University scale (2.0 on a 4.0 scale).

Credit Hours Earned after Last Term of Residence

Not more than three semester hours will be accepted from other institutions after the completion of the last term of residence.

Second and/or Subsequent Associate Degrees

In order to earn a second associate degree, a student must meet the following requirements:

1. Complete the first degree as certified by the registrar.
2. Apply for admission to the second degree program after the first degree has been certified as completed.
3. Earn a minimum of 15 semester hours (beyond each previously earned degree) at Troy University.
4. File an Intent to Graduate form with the registrar as prescribed in the class schedule.
5. Meet all current requirements for the second and/or subsequent degree.

Note: No more than one Associate of General Education degree may be earned. Credit earned in a concentration or major may be used to meet the requirements of only one associate degree. Credit earned in a concentration or major may not be used retroactively to satisfy the requirements of another associate degree. Only one degree will be conferred on a student at any commencement ceremony.

Attendance Policy

Students receiving financial aid benefits are required to attend classes according to the regulations for financial aid benefits in addition to those regulations required for the course. See the Oracle, Troy University's Student Handbook, for more details on student attendance (available on line).

Auditing a Course

A student may audit any Troy University course by indicating at the time of registration that the course will be audited. 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 without academic penalty.

Baccalaureate Degrees

Course Requirements

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

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.
3. No more than 25% of the degree may be earned using portfolio-based credit.
4. At least 25% of the credit hours required for the degree must be completed with Troy University.
5. Twelve semester hours of work in each major field must be completed in residence at Troy University.
6. Students must earn a minimum of 50% of all degree program hours on a senior college (four-year degree) level in order to graduate from Troy University with a bachelor's degree.

Grade Point Average

1. A candidate for graduation must have an overall C average at Troy University (2.0 on a 4.0 scale).
2. A candidate for graduation must have a C average in the major field. This includes hours and grade points earned at other universities and colleges as converted to the Troy University system scale (2.0 on a 4.0 scale).

Note: Students earning a degree in education should refer to that section of this catalog for special requirements.

Residency Requirements

A candidate for graduation must have attended Troy University in residence 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. The 25 % minimum residency requirement shall be exclusive of hours or courses for which remedial credit is awarded.

Credit Hours Earned after Last Term of Residence

Not more than six semester hours may be completed from other institutions after the completion of the last term of residence.

General Education Competency Exam

Students are required to take the General Education Competency Exam (GECE) upon completion of the general studies program. For specific requirements for this examination, refer to www.troy.edu/irpe.

Second Baccalaureate Degree

In order to earn a second baccalaureate degree, a student must meet the following requirements:

1. Complete the first degree as certified by the registrar.
2. Apply for admission to the second degree program after the first degree has been certified as completed.
3. File an Intent to Graduate form with the registrar as prescribed in the class schedule.
4. Earn a minimum of 30 semester hours (beyond the first degree).
5. Earn a minimum of nine semester hours (beyond the first degree) in the major field.
6. Meet all current requirements for the second degree.

Changes in Class Schedules

Students who fail to attend a course for which they are registered without following drop or withdrawal policies will receive an FA in the course. Deadlines for drop/add and withdrawal are printed in the calendar and in the schedule of courses.

Class Size

The institution reserves the right to cancel any course 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

College Credit Definitions**Regular Credits**

College credits are expressed as semester hours or credit hours.

Laboratory Credits

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

Residence Credits

Effective Fall 2005, credit taken through any Troy University location will be counted towards residence credit for graduation. Students enrolled prior to fall 2005 should see their academic adviser concerning residence credit.

Credit by Examination

Credit is allowed for CLEP, General and Subject Examinations, the Advanced Placement program, 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 respective department chairs for additional information.

Course Sequences**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: Remedial credit courses (Remedial courses do not count toward degree requirements.)
- 1100 sequence: Freshman level (Exceptions are 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

Credit Load**Fall, Spring, and Accelerated Semesters**

- Minimum Full-Time Undergraduate Load: 12 semester hours (six semester hours for accelerated semester schedules)
- Maximum: 18 semester hours (10 hours for accelerated semester schedules)
- Overload: 19-21 hours (11-13 semester hours for accelerated semester schedules) Credit overload requires unconditional admission status, a minimum institutional GPA of 3.5, recommendation of the academic adviser, and signature of the department chair.
- Students on academic probation: Limited to 13 semester hours (seven semester hours for accelerated semester schedules)

Summer Semesters

- Minimum Full Time Undergraduate Load: Nine to twelve semester hours (over the entire summer). Students are advised that full-time status for federal financial aid 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 academic adviser, and signature of the department chair.
- Students on Academic Probation: Limited to 10 semester hours

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.

Grade Appeals

Faculty members have the authority to grade student work and to assign grades; these grades are academic judgments based on academic content, course requirements, and student perform-

ance, as enumerated on the course syllabus provided by each faculty member. Faculty members render academic judgments when a student's academic performance violates established standards or fails to meet stated expectations. 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. 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 the university procedure adopted for this purpose. Grades for individual assignments and exams may not be appealed.

Step 1. Within the first four weeks of the start of the following semester in which the grade is received, the student shall have informally appealed the grade to the instructor. If the instructor is not teaching at the University during the term following issuance of the grade, the student should make contact with the department chair for further instructions for whom to contact.

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 chair directly and shall be received no later than the end of the fifth week of instruction of the term following issuance of the grade. The request must summarize the student's complaint and the student's informal appeal to the instructor.

Step 3: Within two weeks of receipt of the request, the department chair shall meet personally with the student and with the instructor, separately or at the same time. If the chair upholds the decision, the decision is final.

Step 4: If the chair does not support the decision of the instructor, the matter shall be appealed to the appropriate dean. Within two weeks of the meeting between the instructor and the chair, the dean shall meet with the student, the instructor, and the chair, separately or together. If the dean supports the original grade, the matter is closed. If the dean does not support the original grade, the dean will inform the instructor of the decision and attempt to find a reasonable solution. If this resolution is not possible, the dean will determine the appropriate academic remedy, which may include change of grade, and inform the instructor in writing of this decision. The instructor then will have two weeks to appeal the decision to the Faculty Council, which will convene the Faculty Personnel Advisory subcommittee to hear the issue and determine a ruling. (While this process is an appellate right of faculty, the due process rights of the student will also be observed.) The decision of the Faculty Personnel Advisory subcommittee is final.

Barring unusual circumstances, the matter shall be resolved before the end of the first full semester following issuance of the grade. It is the student's responsibility to initiate the appeals process within the timelines set forth in this procedure.

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 these appeals

Grade Point Average

The grade point average is computed by dividing the total number of credit hours attempted into the total number of grade points earned.

Grading System

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
FA	Failure due to excessive absences	No	0
I	Incomplete	No	0
P	Pass	Yes	0
AU	Audit	No	0
W	Withdrawal prior to midterm	No	0
WP	Withdrawal passing	No	0
WF	Withdrawal with academic penalty	No	0
DR	Dropped course prior to midterm	No	0
DP	Dropped course passing	No	0
DF	Dropped course with academic penalty	No	0
NG	No grade reported by faculty at end of term (awarded by registrar)	No	0

Honors and Awards

Chancellor's Honor List

Full-time undergraduate students who are registered for 12 semester hours (six semester hours for accelerated terms) 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 twelve 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 (six semester hours for accelerated terms) 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 twelve 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 computed based on the average of all hours attempted at Troy University and transfer credit, excluding any remedial courses. The last term of enrollment is NOT calculated towards graduation honors.

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 web site.

Incomplete Grade

An incomplete grade means that the student has not finished all of the assigned class work or has not taken all class examinations. A grade of incomplete may not be removed by repeating the course.

Time Limit for Removal of Incomplete Grade

It is the student's responsibility to contact the instructor regarding the deadline for completing all course requirements. Any student who receives a grade of Incomplete must adhere to the work completion deadline set by the instructor, not to exceed the end of the following term. This deadline applies whether or not the student re-enrolls for the semester following the assignment of the incomplete grade(s). Failure to clear the incomplete within the specified time period will result in the assignment of a grade of F for the course.

Learning Contracts

Troy University Montgomery Campus Division Distance Learning and Extended Academic Services offers courses using public and cable television, print, and the Internet/World Wide Web. This instruction is delivered to students both within the University's local service territory and beyond through the use of a range of traditional and newer communication technologies.

The Division subscribes to the Southern Regional Education Board's Principles of Good Practice as developed by the Educational Technology Cooperative's Electronic Common Market.

A list of resident courses developed as contract learning courses that may be taken in a distance learning environment are available in print from the Learning Contract Office or online at <http://montgomery.troy.edu/DL/learningcontracts/>.

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.

Repetition of Courses

(Troy University courses only)

Students who were enrolled prior to Fall 2005 need to see their academic adviser before repeating a course.

Effective Fall 2005, a student may repeat a course in which a grade of D, F, FA, DF, NG, NC, or WF is received. However, permission to have the previous grade removed, or "forgiven,"

from the GPA calculation will be granted only one time. Any subsequent attempts will be counted in the GPA.

The last grade received will be the grade counted. This policy does not apply to those seeking a degree in education; all hours attempted in the required program of study must be used in their grade point averages.

A student may repeat a course in which a grade of C is received provided advance permission is obtained from the dean. The option to repeat a prerequisite course must be exercised before any course is taken for which the repeated course is a prerequisite. A student may not repeat a course after graduation in order to alter the GPA at the date of graduation.

Permission may be granted only one time per course to have the previous grade not counted in the GPA calculation. No course can be used more than once towards degree requirements, unless the course is specifically designated by the department as a repeatable credit (e.g. some music courses may be taken more than once for credit).

No student shall receive credit for the same course twice, unless the course description specifically states that the course may be repeated for credit.

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 Provost for readmission under certain mitigating circumstances to avoid suspension. Appeal forms are available in the Registrar's Office.
3. Troy University Transient Students: Upon receipt of an official transcript, Troy University students who have attended another college as a transient may reenter the University via the readmission process if they had permission from Troy University to attend the other college as a transient and if their records there are clear. If permission is not secured before entering the other college, they will have to re-enter Troy University as transfer students.

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 should contact their local campus Business Office to pay their tuition and fees in order to finalize their registration and insure their enrollment in the classes they have selected. Students have not completed registration until arrangements have been made for the payment of tuition and fees. Students can pay their tuition on line by accessing the Trojan Web Express.

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 30 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.

Requirements for Graduation

All credits used to satisfy degree requirements must be less than eight years old at the time of degree completion. Students not attending Troy University for three consecutive calendar years must meet all degree requirements current at the time of readmission.

Students who were enrolled at the time Troy University merged under one accreditation may remain with their bulletin or elect to change permanently to the 2005-2006 undergraduate catalog. No student will be academically penalized because of the University's decision to consolidate under one accreditation.

Filing for Graduation

An Intent to Graduate form should be filed with the Record's Office at the beginning of the term prior to the term of graduation.

Degree Plans / Academic Evaluations

Academic Evaluations are available in the Record's Office.

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 twelve 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 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. 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

Troy University is an affiliate member of The Servicemembers' Opportunity College (SOC) network which is designed to permit active duty military service students/spouses/dependents/Civil Service employees to pursue college level programs without penalty for unusual situations and transfer over which they have no control. Upon request, Troy University will issue a SOC contract for degree completion to any military or civil service student or his/her dependent(s), if he/she is reassigned prior to degree completion. In order to obtain a SOC contract, the student must have completed the residency requirement (30 semester hours with 12 semester hours in each major field of study) and must have at least a 2.0 (4.0 scale) or an overall C average with Troy University. The SOC contract will list all the courses required for graduation with Troy University. All course work must be completed at accredited colleges or universities or from acceptable non-traditional sources, if applicable.

For associate degree candidates, 15 semester hours, nine of which must be in the major area of concentration, are required to meet residency requirements. Students must complete degree requirements within seven calendar years after the SOC contract is approved.

Transient Credit

A currently enrolled student who wishes to study at another institution for a term should consult with the Record's Office concerning procedures and required approvals. Any courses taken by a student after the initial registration with Troy University must have prior approval by the University, and transient hours must be included with the student's semester load for load-limit purposes.

If a student takes coursework at another institution without proper transient authorization, the University reserves the right to deny credit for these courses.

Withdrawal from the University

A student who leaves the University during a term without following university withdrawal procedures will be assigned the grade of F in each course for which he/she is registered and will be responsible for all financial charges incurred.

Grade Status at the Time of Withdrawal:

Before Mid-term

The symbol W (withdrawal) will be entered on the student record for each course, and the hours will not be charged as attempted. See class schedule for exact date.

After Mid-term

With the exception of those who withdraw for documented reasons beyond their control, students who leave the University after the middle of the term will be assigned the symbol WP or WF for each course. Students who receive the WF will be charged with hours attempted in the overall grade point average. See class schedule for exact date.

DANTES SUBJECT STANDARDIZED TEST SCORES

Effective Fall 2005

Test Title and Number	Course	Credit Hours	Accepted Score
SE 450 Principles of Statistics	QM 2241	3	48
SE 470 Human Cultural Geography	GEO 2210 or 3300	3	48
SE 473 A History of the Vietnam War	History elective	3	50
SF 474 Ethics in America with Essay	PHI 2204 or PHI elective	3	53
SF 483 Civil War and Reconstruction	HIS 4413 or HIS elective	3	50
SF 490 Lifespan Developmental Psychology	PSY 3300	3	57
SF 494 General Anthropology	SOC 2200 or ANT 2200	3	47
SE 496 Introduction to World Religions	REL 2280	3	50
SF 497 Introduction to Criminal Justice	CJ 2221	3	50
SF 498 Criminal Justice	CJ 1101	3	49
SF 500 Astronomy	SCI 2235	3	48
SE 512 Principles of Physical Science	SCI 2233	3	50
SE 519 Physical Geology	SCI 2234 or free elective	3	54
SE 525 Principles of Finance Accounting	ACT 2291	3	49
SF 530 Personnel/Human Resource Management	MGT 3375	3	48
SF 531 Organizational Behavior	MGT 4472	3	48
SE 543 Introduction to Business	BAN 1101	3	48
SF 548 Money and Banking	ECO 3353	3	48
SF 562 Fundamentals of Counseling	PSY 4402	3	50

Test costs

These tests are free for military personnel. Contact the Base Education Office.

Military dependents, civil service, military retirees, guard and reserve members (with valid DOD identification cards) may take the exams on base for a fee.

Test availability

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

Application of DANTES credit

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

CLEP SUBJECT EXAMINATIONS

Effective Fall 2005

Clep Exam Title	Course	Credit Hours	Score
French: Level 1 & 2 (TG050)**	FRN 1101 and 1102	6	50
German: Level 1 & 2 (TG051)**	GER 1121 and 1122	6	50
Spanish: Level 1 & 2 (TE052)**	SPN 1141 and 1142	6	50
Freshman College Composition with Essay (TA061)	ENG 1101 and 1102	6	50
Principles of Management (TE018)	MGT 3371	3	50
Principles of Accounting (TG019)	ACT 2291	3	50
Principles of Accounting (TG019)	ACT 2292	3	50
Introductory Macroeconomics (TE036)	ECO 2251	3	50
Introductory Microeconomics (TD037)	ECO 2252	3	50
Principles of Marketing (TF023)*	MKT 3361	3	50
Information Systems and Computer Applications (TA060)	CIS 2240	3	50
Introductory Sociology (TGG034)	SOC 2275	3	50
Introductory Psychology (TG014)*	PSY 2200	3	50
American Government (TG001)	POL 2241	3	50
College Algebra (TG006)	MTH 1112	3	50
College Algebra with Trigonometry (TC007)	MTH 1114	3	50
American Literature (TD003)*	ENG 2211	3	50
American Literature TD003)*	ENG 2212	3	50
Western Civilization I (TD057)	HIS 1101	3	50
Western Civilization II (TE058)	HIS 1102	3	50
American History I (TA055)	HIS 1111	3	50
American History II (TB056)	HIS 1112	3	50
General Chemistry (TG013)	CHM 1142	3	50

* *Test/score effective June 24, 1993.*

** *Verbal presentation may also be required*

Note: *Exam titles with duplicate test numbers in parentheses denote one test.*

Test costs

These tests are free for military personnel. Contact the Base Education Office.

Military dependents, civil service, military retirees, guard and reserve members (with valid DOD identification cards) may take the exams on base for a fee.

Test availability

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

Application of DANTES credit

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

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, 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 previous term balances and one-third of all semester charges by the last day of regular registration for the current semester or term 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

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. Also, failure to satisfy financial obligations to the University will result in having a restriction placed on future class registrations, possibly having the account assigned to a collection agency, and non-release of transcripts. *The essential ingredient for a successful registration is for students to plan early.*

Payment of Account Summary

- At least one third of all tuition, fees, and charges are payable by the last day of regular registration. If the 1/3 payment is not paid by the last day of regular registration, a student must re-register during late registration. When a student registers during the late registration period, at least 1/3 of all tuition, fees, and charges are due at the time of late registration. The remaining balance will be required in two payments due approximately one month apart. Failure to pay all charges by the third and final payment date will result in a late payment fee.
- Registration is not complete until all previous term balances plus one third payment of tuition, fees, and charges or satisfactory arrangements through approved scholarships, financial aid, etc. have been made.
- It is the responsibility of the students to pay account balances by the established payment due dates.

Clearance of Obligations

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 cost.

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.

Student Bank Loans

Student bank loans are disbursed each semester or term. Most bank loans are disbursed electronically. Loan disbursement information is not given over the telephone; inquiry must be made in person. Students may reference their promissory note for loan disbursement dates to determine when to expect loan proceeds. All loan applicants are required to participate in an entrance interview on the web at www.KHEEA.com concerning their financial obligation as recipients of loan funds.

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.

Drops, Withdrawals and Refunds

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

Administrative Drops: The Provost or his/her designee will determine whether an administrative drop/add is appropriate. No administrative drop/add will be processed without the signature of the Provost or his/her designee. Requests for administrative drops will be handled on a case-by-case basis.

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

Withdrawal — Contact the Registrar for withdrawal procedures.

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

- *Withdrawal fee:* A fee will be assessed at the time of withdrawal.
- *Ineligibility for refund:* A student who is withdrawn by the University for disciplinary reasons or non-payment is not eligible for refunds of any nature.
- *Application for admission fee:* This fee is non-

refundable.

- *Housing application fee:* This fee is non-refundable.
- *Housing charges:* Room/apartment rent is non-refundable once the term begins.
- *Board charges:* Meal plans are refundable on a pro-rata basis in units of one week. A fractional part of a week will be counted as one week.
- *Special note:* Students who register, do not attend, and do not follow official withdrawal procedures will be responsible for all semester charges including room and board.

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), 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 registrar.

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.

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.

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 at www.troy.edu/financialaid.

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

Priority Dates

The FAFSA should be completed as soon after 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 web site).

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 twelve (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 by visiting our web site at www.troy.edu/financialaid and linking to the federal web site. 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.

Federal Stafford Loans

The Federal Family Education Loan Program (FFELP) requires a FAFSA and includes 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%.

- **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.

- **Federal plus loan**

Federal 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. However, parents must have a favorable credit rating in order to qualify for the PLUS Loan. If you are offered the PLUS Loan and you accept it, you will be sent a separate loan application for your parents to fill out and return to the student financial aid office for certification; parents may also download a form from the web site and apply for the PLUS loan.

Interest rates for the Federal Stafford and PLUS Loans vary. The federal government pays the interest on the subsidized federal Stafford Loan until repayment begins. The borrower is responsible for all interest that accrues on the Unsubsidized Federal Stafford and PLUS Loans from the time the loan is disbursed. More detailed information is provided with the loan application.

When making decisions about accepting loans, we urge you to carefully consider your total loan indebtedness and the amount you will pay on your loan given your expected earnings from your intended career. For more information about Stafford Loans, please review the KHEAA website at www.kheaa.org. KHEAA's "Paying for Higher Education" area has excellent information.

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. The federal government will pay 75% of the tuition and the student will pay the balance. 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 to the university cashier the completed copy of the Tuition Assistance Request. 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 high school, junior college and graduate students 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

Qualified students must accept and use the scholarship or loan prior to attendance at any other four-year college. The Foundation scholarships and loans are non-renewable unless a student has been enrolled for two semesters of the preceding academic year (unless students have been forced to withdraw because of illness or other matters beyond their control). Some foundations scholarships and loans are renewable, but recipients must reapply every year.

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.

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.

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 Memo-

rial 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.

Susan Gitenstein Assadi Endowment was established in 1995 by Seymour Gitenstein of Florala, Alabama, in honor of his daughter Susan Gitenstein Assadi. The award is presented to a deserving student in the Speech and Theatre program who demonstrates talents in theatrical direction. Scholarship awards are made to residents of Florala and Lockhart, Alabama, and Paxton, Florida. High school seniors attending these schools need to contact their guidance counselors by March 1.

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.

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.

Elbert A. Botts Scholarship was established by Elbert A. Botts to assist the education of deserving full-time undergraduate students majoring in business or geography. This scholarship is awarded on the basis of academic achievement and financial need.

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.

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.

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.

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.

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.

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.

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.

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. Applications should be directed to the chair of the Department of Art & Design.

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.

Mark Henry Gitenstein Endowment was established in 1995 by Seymour Gitenstein of Floral, Alabama, in honor of his son Mark Henry Gitenstein. This award is presented to deserving students in the political science program who plan to study political science and are residents of Floral or Lockhart, Alabama, or Paxton, Florida. High school seniors attending these schools need to contact their guidance counselors by March 1.

Milton P. Gitenstein Endowment was established in 1995 by Seymour Gitenstein of Floral, Alabama, in honor of his brother Milton P. Gitenstein. It is awarded to a deserving student who is in the pre-law program and plans to study pre-law and is a resident from Floral or Lockhart, Alabama, or Paxton, Florida. High school seniors attending these schools need to contact their guidance counselors by March 1.

R. Barbara Gitenstein American Literature Scholarship was established in 1996 by Seymour Gitenstein of Floral, Alabama, in honor of his daughter R. Barbara Gitenstein. The award is presented to students who plan to study American literature. Preference is given to students from Floral or Lockhart, Alabama, or Paxton, Florida. High school seniors attending these schools need to contact their guidance counselors by March 1.

Seymour Gitenstein Endowed Scholarship was established by the Anna and Seymour Gitenstein Foundation of Floral, Alabama, in 1993. Scholarship awards are made to deserving students with a preference for residents of Floral 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.

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.

Donald Brett Hart Endowment was established in 1995 by Seymour Gitenstein of Florala, Alabama, in honor of his son-in-law Dr. Donald Brett Hart. This award is presented to deserving students in piano or piano education who plan to teach piano or major in piano performance. First preference for this award will be made to students of Florala or Lockhart, Alabama, or Paxton, Florida; and if no candidates from these geographic areas are available, the award will be given to a graduate of a Troy, Alabama high school. High school seniors attending these schools need to contact their guidance counselors by March 1.

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.

Hendricks Athletic Training Scholarship was endowed in 1991 by S. Kenneth Hendricks in recognition of the accomplishments of the sports medicine program. The recipient is selected annually by the coordinator of the Troy University athletic training program.

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.

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.

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 present, deceased, disabled or retired employees of Hudson Industries, Inc.

Inquiries should be directed to the William R. Hudson Scholarship Committee at Hudson Industries, Inc.

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.

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.

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.

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.

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

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

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

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.

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.

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.

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.

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

Blanche Reynolds Solomon Perpetual Memorial Scholarship was established by Mr. R.E. Solomon in memory of his beloved wife, an alumna of 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.

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.

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.

Rhoda Gitenstein Sumberg Endowment was established in 1995 by Seymour Gitenstein of Florala, Alabama, in honor of his sister Rhoda Gitenstein Sumberg. The award is presented to deserving students in the French program who plan to teach French. Scholarship awards are made to students of Florala or Lockhart, Alabama, or Paxton, Florida. High school seniors attending these schools need to contact their guidance counselors by March 1.

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.

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.

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.

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)

Air Commando Association Scholarship is awarded by the association which is headquartered in Mary Esther, Florida. The association makes the award determination.

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

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.

Chancellor's Fellowships are available to seniors and graduate students with superior academic records and who are recommended by faculty. The fellowship includes a mentoring requirement in a degree-related activity. The fellowships are funded by the Foundation's Annual Fund. Applications should be directed to the dean of the Troy University school or college in which the student is enrolled.

The First Citizens Bank Scholarship was established by First Citizens Bank to provide scholarships for Crenshaw County students. The scholarship is awarded to a student who is a resident of Crenshaw County.

Foundation Fellowships are available in the Division of Institutional Advancement to juniors, seniors, and graduate students. Criteria are similar to the Chancellor's Fellowships. The fellowship includes a mentoring requirement. Like the Chancellor's Fellowships, Foundation Fellowships are funded by the Foundation's Annual Fund. Applications should be directed to the vice president for institutional advancement.

Gary Heath Criminal Justice Scholarship Fund was established by Joe Heath in memory of his son, Gary Heath. Gary was a Greenville, Alabama, police officer who was killed in the line of duty. The scholarship is awarded to a student majoring in criminal justice.

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.

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.

Kenneth Law Criminal Justice Scholarship was established by the Southern States Correctional Association to assist students pursuing majors in criminal justice. Applicants must have a 3.0 GPA on a 4.0 scale; must be a junior or senior full-time student; must provide a letter of recommendation from a professor in the Criminal Justice Department; and must write a brief letter to the Kenneth Law Scholarship committee detailing "Why the applicant should receive this scholarship." Application should be directed to the chair of the Department of Criminal Justice.

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.

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.

Taylor Girl Scholarship was established by Jay and Nicey Eller. The purpose of the scholarship is to assist a graduate student majoring in the field of education. The applicant is to have a grade point average of at least 3.25, be currently teaching, working full-time, and supporting a family. The applicant must submit a short essay on "Why the applicant is deserving of the scholarship."

Trojan Pride Scholarship was established in 1993 with funds received from the sale of university car tags. These scholarships will be awarded to senior or graduate students from Alabama with 3.0/4.0 GPA. Application may be made to the dean of the Troy University school or college in which the student is enrolled.

LOAN FUNDS (Endowed)

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

LOAN FUNDS (Current)

ADN Nursing Scholarship Fund is a loan fund established through the gifts of friends, faculty, staff and community organizations. The recipients of the loans are students enrolled in the Associate Degree in Nursing Program in Montgomery. Inquiries should be made to the School of Nursing Scholarship Committee in Montgomery.

BSN Upward Mobility Scholarship Fund is a loan fund established through the gifts of friends, faculty, staff and community organizations. The recipients of the loans are students enrolled in the Bachelor of Science in Nursing program in Montgomery. Inquiries should be made to the School of Nursing Scholarship Committee in Montgomery.

Eve Harmon Nursing Memorial Fund was established by Orrin C. Harmon, Jr. in memory of Eve Harmon, graduate of the Associate Degree in Nursing program, class of 1978. The purpose of the fund is to provide assistance to students enrolled in the Troy University Associate Degree of Nursing program in Montgomery. Inquiries should be made to the School of Nursing Scholarship Committee in Montgomery.

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 the 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.

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.

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.

John W. Bowling Memorial Award is presented annually to the graduating Troy University baseball student athlete with the highest grade point average at the conclusion of fall semester prior to graduation.

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 1 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 February 15.

- **PHI THETA KAPPA AWARD**

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

\$1,100 per year

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 Academic Dean's office at (334) 448-5137.

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 on-line. 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. 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: Ten awards to new students beginning each fall semester and is renewable for the spring semester (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 12 semester hours.

Deadline: August 1 (applications available June 1). Apply on-line at <http://www.tsum.edu/scholar>

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: Twenty awards to returning students beginning each fall semester and is renewable for the spring semester (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: August 1 (applications available June 1). Apply online at <http://www.tsum.edu/scholar>

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: Ten awards to new and returning students beginning each fall semester and is renew-able for the spring semester (recipient must maintain a 3.5 GPA each semester).

Criteria: Returning students must have a 3.5 overall GPA or higher on 9 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: August 1 (applications available June 1). Apply online at <http://www.tsum.edu/scholar>

Alumni Association Scholarship

Amount: The scholarship will apply only to tuition and will cover only that tuition not funded by other scholarships or grants (up to the maximum cost of one course). The scholarship includes a book allowance of up to \$100.

Availability: One undergraduate student per semester.

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: Ten days after each semester begins.

Car Tag Scholarship

Amount: The scholarship will apply only to tuition and will cover only that tuition not funded by other scholarships or grants (up to the maximum cost of one course)

Availability: Fall semester and is renewable for the spring semester (recipient must maintain a 2.5 GPA each semester).

Criteria: The student must be a resident of Alabama and be enrolled as a junior or senior at Troy University Montgomery. The student must have a 3.0 GPA at the University and have earned a minimum of 20 semester hours. The student must be enrolled for at least two courses.

Deadline: Ten days after fall semester begins.

Stephen H. Morochnick Scholarship

Amount: The scholarship provides the difference in the amount of tuition assistance and tuition, the admission fee, and cost of books for one course.

Availability: The scholarship may be awarded for Fall and Spring semesters to the same individual but application must be made for 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. The applicant must be scholastically sound as measured by standardized tests in reading, English, and mathematics. The applicant must be eligible for and using tuition assistance.

Deadline: The last day to drop a course without owing full tuition for A & C terms (dates are listed in the class schedule).

Contact: Student Financial Assistance Office, P.O. Drawer 4419, Montgomery, AL 36103-4419. Telephone: (334) 241-9519.

Minority Faculty Development Fellowship Scholarship

A stipend awarded to African-American students who have earned the master's degree and wish to pursue the doctorate. These recipients must agree to teach at the University a minimum of

three years upon completion of the doctorate. Applications are available in the Student Financial Assistance Office, P.O. Drawer 4419, Montgomery, AL 36103-4419. Telephone: (334)241-9519.

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 Applied Science
- Associate of Science in General Education
- Bachelor of Arts
- Bachelor of Science
- Bachelor of Arts or Science in Business Administration
- Bachelor of Arts or Science in Education
- Bachelor of Music Education
- Bachelor of Science in Nursing, and
- Bachelor of Applied Science.

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. Students intending to earn associate degrees should consult the Office of University Records upon enrollment. 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 studies	48 hours
B. A program or a combination of majors and minors to total at least	54 hours
C. Free electives	<u>18 hours</u>
	120 hours ²

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 *Requirements beyond 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.

PROGRAM AVAILABILITY MATRIX

For additional information, consult the registrar or your academic adviser.

Locations: Dothan, Montgomery (Mtg.), Phenix City, Troy, University College (Univ. College)

PROGRAM	Dothan	Mtgy	Phenix	Troy	Univ.
<<dti.troy>> Design, Technology and Innovation Program				x	
Accounting Major	x	x	x	x	x
Aerospace Studies Minor		x			
Anthropology Minor				x	
Archival Studies Minor	x				
Art Education Major				x	
Art Major				x	
Art Minor				x	
Athletic Training Education Program Major				x	
B.A.S. in Resources and Technology Management	x	x			x
Bachelor of Fine Arts Studio Program				x	
Biology Education	x			x	
Biology Major	x			x	
Biology Minor	x			x	
Biology Program				x	
Biology, Preprofessional Major	x				
Broadcast Journalism Major				x	
Broadcast Journalism Minor				x	
Business Administration Minor	x	x	x	x	x
Business, Associate of Science		x			x
Chemistry Education	x			x	
Chemistry Major	x			x	
Chemistry Minor	x			x	
Chemistry Program				x	
Classics Minor				x	
Collaborative Teacher (Grades K-6)	x			x	
Communication Arts Major				x	
Communication with the Hearing Impaired Minor				x	
Comprehensive General Science Education	x			x	
Computer Science Minor	x	x		x	x
Computer Science Program		x		x	x
Computer Science, Applied Major	x			x	x
Computer Science, Associate of Science	x	x			x
Criminal Justice Major	x			x	x
Criminal Justice Minor	x			x	x
Dance Minor				x	
Dramatic Arts Minor				x	
Early Childhood Education (Grades P-3)	x				
Earth and Space Studies Minor	x				
Elementary Education (Grades K-6)	x		x	x	
English Major	x	x		x	
English Minor	x	x		x	

PROGRAM	Dothan	Mtgy	Phenix	Troy	Univ.
English Minor, creative writing emphasis				x	
English Minor, professional writing emphasis		x			
English-Language Arts Program	x			x	
Environmental Science Minor				x	
Environmental Science Program				x	
Finance Major	x	x		x	
French Minor				x	
General Business Major	x	x	x	x	x
General Education, Associate of Art	x	x			x
General Education, Associate of Science	x	x			x
Geographic Information Systems (GIS) Minor				x	
Geography Minor	x	x		x	
Geomatics Major				x	
Graphic Design Minor				x	
Health and Physical Education Comprehensive Program				x	
Health Science Minor				x	
History Education Major	x			x	
History Major (with emphases)	x	x		x	
History Minor	x	x		x	x
Human Services Major				x	
Human Services Minor				x	
Humanities Minor	x				
Information Systems Major		x	x	x	
Information Systems Minor			x	x	x
Interdisciplinary Education (Grades P-12)				x	
Journalism, Print Major				x	
Journalism, Print Minor				x	
Latin Minor				x	
Management Major	x	x	x	x	x
Marine Biology Program				x	
Marketing Major	x	x		x	
Mathematics Education	x			x	
Mathematics Major	x	x		x	
Mathematics Minor	x	x		x	
Military Science Minor		x		x	x
Music Minor				x	
Music, B.A./B.S.				x	
Nursing, Associate of Science				x	
Nursing, Bachelor of Science				x	
Physical Education Major				x	
Physical Science Minor	x			x	
Physics Minor				x	
Political Science Major		x		x	x
Political Science Minor	x	x		x	x
Psychology Comprehensive Program				x	
Psychology Major	x	x	x	x	x
Psychology Minor	x	x	x	x	x
Recreation Minor				x	

PROGRAM	Dothan	Mtgy	Phenix	Troy	Univ.
Rehabilitation and Social Work Programs				x	
Risk Management and Insurance Major				x	
Secondary Education (Grades 6-12)	x			x	
Social Science Education Major	x			x	x
Social Science Major	x	x		x	x
Social Science Minor: General Social Science	x	x		x	x
Social Science Minor: Leadership				x	
Sociology Major	x				
Sociology Minor	x	x			x
Spanish Minor				x	
Speech Communication Minor				x	
Sport and Fitness Management Program				x	x

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 because of the Alabama Statewide Articulation Program. Any questions should be addressed to your academic adviser. See the AGSC/STARS home page (<http://stars.troy.edu>) for up-to-date, approved transfer information. Students who transfer with associate degrees from accredited public junior colleges in Alabama and who have completed all requirements approved by the Alabama Statewide Articulation Program will receive credit for the General Studies Program unless there is a change in the academic major.

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.

SPH	2241	(3)	Fundamentals of Speech, or placement in SPH 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 I, or placement in ENG 2207* Honors World Literature I
ENG	2206*	(3)	World Literature II, or placement in ENG 2208* Honors World Literature II
ENG	2211	(3)	American Literature I
ENG	2212	(3)	American Literature II
ENG	2244	(3)	British Literature I
ENG	2245	(3)	British Literature II

Select three semester hours from the following:

CLA	2260*	(3)	Classical Mythology
ENG	2205*	(3)	World Literature I, or placement in ENG 2207* Honors World Literature I
ENG	2206*	(3)	World Literature II, or placement in ENG 2208* Honors World Literature II
FRN	1101*	(3)	Introductory French I, or placement in FRN 1102*, 2201*, 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*
LAT	1131*	(3)	Introductory Latin I, or placement in LAT 1132*, 2231*, 2232*
PHI	2203	(3)	Introduction to Philosophy
PHI	2204	(3)	Ethics and the Modern World
REL	2280*	(3)	World Religions
SPN	1141*	(3)	Introductory Spanish I, or placement in SPN 1142*, 2241*, 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	L110	(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
POL	2200*	(3)	World Politics
POL	2241	(3)	American National Government, or placement in POL 1114 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 electives. Students conditionally admitted on the Montgomery campus must select COM 1110 in lieu of TROY 1101.

CURRICULA

UNIVERSITY COURSES

COUNSELING AND HUMAN SERVICES COURSES (CHD)

- 1100 Career Exploration and Planning (1-2)**
A group approach to career exploration and planning designed to incorporate students' abilities, values, interests and decision-making skills into formulating projected career/life plans. The course is structured primarily for the needs of freshman and sophomore students.
- 3300 Job Search Strategies and Techniques (1-2)**
A group approach to job search strategies and techniques designed to aid students' entry into the job market. Topics covered are planning the job search, résumé and interview techniques, follow-up and transition into the world of work. The course is structured primarily for students within one year of graduation.

TROY UNIVERSITY COURSES (TROY)

- 1101 University Orientation (1-1)**
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. *Students on the Montgomery campus are required to pass the Reading Placement Test, and COM 1110 is a prerequisite for conditionally-admitted students on the Montgomery campus.*
- 1150 Study Skills (1-1)**
Presentation of and practice in basic study techniques, including strategies for planning personal success, outlining materials, and studying for and taking tests.

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. The student must maintain a cumulative grade point average of 3.3 or higher to be inducted into the program in the spring of the freshman or sophomore year and must maintain a 3.3 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 of \$5.

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).

II. Foreign Language Courses.

The University Honors Scholar must take six hours of one foreign language (classical or modern) depending upon demonstration of proficiency accepted by the Department of Classical and Modern Languages. 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. University Honors Courses.

The program of interdisciplinary studies with the PEAK Program (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 can be notified of acceptance into the University Honors Program in the spring semester while enrolled in an honors version of a general studies course in the spring semester. Candidates must maintain a minimum grade

point average of 3.3 complete HON 1101, and take one honors version of general studies courses each semester, including the spring semester. 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 Versions of General Studies courses

ART	1134	(3)	Honors Visual Arts
ENG	1103	(3)	Honors English Composition I
ENG	1104	(3)	Honors English Composition II
ENG	2207	(3)	Honors World Literature I
ENG	2208	(3)	Honors World Literature II
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
SPH	2243	(3)	Honors Fundamentals of Speech or Fundamentals of Speech

Honors placement in math will be made on an individual basis by the Chair of the Department of Mathematics.

Honors Thesis

The University Honors Scholar is encouraged to complete an honors thesis or honors project in his/her major in accordance with departmental requirements, as shown below:

English

4498-4499 Honors Research and Writing (1 credit hour per semester per course—TBA)

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.*

History

4498 Honors–Independent Study (1 to 3 hours–TBA)

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.

University Honors Program Courses (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.*

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.*

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.*

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. This course includes visits from leaders on the Troy main campus, visits with leaders in the community and in the state of Alabama. *Prerequisite: HON 3300 or permission of the honors director.*

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.

ENGLISH AS A SECOND LANGUAGE COURSES

The American English Group (AEG) 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 - IV courses are offered for institutional credit; up to six credits of level V - VI courses can be used to fulfill the free elective course requirement towards an undergraduate degree. For more information, see the Academic Regulations section of this bulletin. For information about the AEG terms of instruction, contact the Center for International Programs at 334-670-3335.

AMERICAN ENGLISH GROUP COURSES (AEG)

GRAMMAR COURSES

- 0083 Grammar I (5) For beginners and near beginners.**
Covers the verb *be*, simple present tense, present progressive, *wh*-questions, possessives, prepositions of time, simple past, past progressive, and parts of speech (nouns, adjectives, prepositions). Independent CD-based exercises on topics covered in 0083 – two hours per week.
- 0084 Grammar II (5) For high beginners.**
Covers imperatives, suggestions, there is/there are, negative questions, future, nouns, articles, and quantifiers, modals, comparatives, superlatives, and basic sentence structure (simple and compound sentences). Independent CD-based exercises on topics covered in 0084 – two hours per week.
- 0094 Grammar III (5) For low-intermediate students.**
Review, expansion, and practice of basic verb tenses, imperative forms, phrasal verbs, modals, comparatives and superlatives. Introduces negative questions and tag questions, additions and responses, gerunds and infinitives, phrasal verbs (separable and inseparable), and adjective clauses (with subject relative pronouns and object relative pronouns). Independent CD-based exercises on topics covered in 0094 – two hours per week.
- 0095 Grammar IV (5) For intermediate students.**
Review, expansion, and practice of modals and modal-like verbs, expression of advisability and obligation, speculations and conclusions about the past, and the passive. Introduces the passive with modals and the passive causative, conditionals, direct and indirect speech, indirect instructions, commands, requests, and invitations, indirect questions, and embedded questions. Independent CD-based exercises on topics covered in 0095 – two hours per week.
- 1105 Grammar V (5) For high-intermediate students.**
Review, expansion, and practice of all simple and progressive verb tenses and passive voice. Introduces modals expressing necessity and certainty, countable and uncountable nouns, quantifiers, and adjective clauses. Includes in-depth analysis of sentence structure: parts of speech, phrases, dependent and independent clauses, subordinating and coordinating conjunctions,

sentence types, and sentence fragments. Independent CD-based exercises on topics covered in 1105 – two hours per week.

- 1106 Grammar VI (5) For advanced students.**
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.

- 0072 Guided Independent Grammar (1 to 5) For any level.**
Supervised independent study of selected topics at an appropriate level, using textbooks and/or software.

LISTENING COURSES

- 0070 Guided Independent Listening (1 to 5) For any level.**
Supervised independent skill-building practice at an appropriate level, using TV, radio, sound recordings, video, and software.
- 0090 Listening III (5) For low-intermediate students.**
This course teaches English necessary for the comprehension of natural, conversational speech. Begins with detailed examination of grammatical and phonological features of spoken English that may challenge listeners; builds to intensive academic listening practice and development of note-taking skills. Linguistic analysis: increased comprehension through familiarity with reductions, linking, contractions, silent letters, unstressed words, syllable stress, affixes, sentence intonation, and contrastive word stress. Listening Lab requirements: one hour per week
- 0091 Listening IV (5) For intermediate students.**
The purpose of this course is to prepare students for academic lecture comprehension and note-taking; students will learn to simultaneously listen to, analyze, organize, and write down new information. Academic focus: Understanding lecture organization, constructing outlines, recognizing cues and main ideas, predicting content and lecture direction, making generalizations, and listening for details. Listening Lab requirements: one hour per week
- 1101 Listening V (5) For high-intermediate students.**
Prepares students for the demands of academic lecture comprehension and note taking. Many organizational plans such as definition, description, cause and effect, process, examples, classification, comparison and contrast, and generalization will be studied. The course will emphasize how to evaluate, organize, and predict information in lectures. Exercises in vocabulary acquisition and language cue recognition are included. Listening Lab requirements: one hour per week.
- 1102 Listening VI (5) For advanced students.**
Academic focus: Introduces listening strategies for academic lectures, such as anticipating and organizing information; understanding humor, 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. Listening Lab requirements: one hour per week.

READING COURSES

- 0080 Reading I (5) For beginners and near beginners.**
Focuses on building vocabulary and developing reading skills such as finding main ideas, locating pronoun referents, and using context clues. Includes introduction to use of a monolingual dictionary for second language learners. Reading Lab requirement: one hour per week.
- 0081 Reading II (5) For high beginners.**
Focuses on vocabulary expansion and skills building. Students will practice scanning, skimming, predicting, and separating main ideas from supporting ideas. Reading Lab requirement: one hour per week.
- 0094 Reading III (5) For low- intermediate students.**
Develops reading skills by studying scanning, previewing and predicting, vocabulary, main ideas, skimming, making inferences, summarizing, paragraph topics and their patterns of organization. Reading Lab requirement: one hour per week.
- 0095 Reading IV (5) For intermediate students.**
Builds up vocabulary and practices reading strategies. Exercises develop skills in recognizing affixes, using context clues, finding main ideas, scanning for details, drawing inferences, and forming conclusions. Reading Lab requirement: one hour per week.
- 1103 Reading V (5) For high-intermediate students.**
Focus on increasing reading speed, accuracy, and comprehension through detailed analysis of word parts, complex sentence structure, and paragraph construction. Vocabulary building activities include study of stems and affixes, practice in guessing meaning from context, exposure to figurative language, and using a monolingual dictionary. Exercises on a wide variety of material provide practice in reading strategies such as skimming, scanning, prediction, restatement, and inference. Reading Lab requirement: one hour per week.
- 1104 Reading VI (5) For advanced students.**
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.
- 0071 Guided Independent Reading (1 to 5) For any level.**
Supervised independent study at an appropriate level, designed to develop specific reading skills and increase vocabulary. Materials may include books, newspapers, magazines, CDs, and the Internet.

SPEAKING COURSES

- 0060 Pronunciation I (3) For beginners or near beginners.**
Intensive practice in sound production and differentiation (English vowels, consonants, diphthongs, and consonant clusters) as well as syllable stress, word stress, and intonation patterns. Uses word games, textbook activities, recordings, and software.
- 0061 Pronunciation II (3) For intermediate students.**
Remedial work for students with speech irregularities. Includes sound production and differentiation, syllable stress, word stress, intonation patterns, contractions, reductions, linking, assimilation, and fast speech phenomena. Uses word games, textbook activities, recordings, and software.
- 0086 Oral Skills I (10) For beginners or near beginners.**
Offers integrated language acquisition approach in listening, speaking, and pronunciation. Emphasis on language functions and meaningful exchanges in realistic and relevant situations. Intensive practice in sound production and differentiation, syllable stress, word stress, and intonation patterns. Uses language games, textbook activities, recordings, and software. Lab requirement: two hours per week.
- 0087 Oral Skills II (10) For high- beginners.**
An integrated class in listening, speaking, and pronunciation. Increases listening and speaking fluency and confidence by building vocabulary and providing controlled listening and speaking practices in a safe environment. Uses language games, textbook activities, recordings, and software. Work on pronunciation. Lab requirement: two hours per week.
- 0098 Speaking III (5) For low-intermediate students.**
Increases fluency, comprehensibility, and confidence through both controlled and free speaking practice. Classroom activities, including role-plays, drama, pair dictation, and small group discussion promote fluency and provide a context for the practice of functional language. CD-based assignments provide a comprehensive review of the English sound system as well as useful practice in functional language. Lab requirement: one hour per week.
- 0099 Speaking IV (5) For intermediate students.**
Develops oral presentation skills while examining both formal and informal speaking, including idioms and relaxed speech. Class presentations allow students to share aspects of their own culture such as proverbs, games, folktales, forms of address, standards of conduct, ceremonies, and holidays. Pronunciation is closely monitored to detect irregularities, with individual remedial lab work assigned on sound production and differentiation. Lab requirement: one hour per week.
- 1109 Speaking V (5) For high-intermediate students.**
Increases vocabulary and fluency through discussions, debates, and presentations. A comprehensive pronunciation program on CD and cassette leads students through a review of the English sound system as well as a detailed study of the finer points of pronunciation, such as rhythm, pitch, and phrasing. Class presentations are more formal and more academic and require research and other preparation. Lab requirement: one hour per week.
- 1110 Speaking VI (5) For advanced students.**
Centered on the oral presentation, this course moves through the entire process of giving an oral presentation from choosing a topic to organizing and delivering a

speech. Speech is closely monitored for lingering irregularities, with individual remedial lab work assigned as needed. Lab requirement: one hour per week.

TOEFL COURSES

0088 TOEFL Preparation I (5) Intermediate level.

Covers strategies and skills necessary for the TOEFL exam. Provides listening, structure, reading, and writing skills practice at an intermediate level. Students learn test-taking strategies, take and analyze practice exams, and work to increase vocabulary in order to prepare for the TOEFL test. Independent CD-based TOEFL exercises on topics covered in 0088: one hour per week.

0089 TOEFL Preparation II (5) Advanced level.

Covers strategies and skills necessary for the TOEFL exam. Provides listening, structure, reading, and writing skills practice at an advanced level. Students learn test-taking strategies, take and analyze practice exams, and work to increase vocabulary in order to prepare for TOEFL test. Independent CD-based TOEFL exercises on topics covered in 0089: one hour per week. Course requirement: 475 on the paper-based TOEFL; 153 on the computer-based TOEFL.

0073 Guided Independent TOEFL Preparation (1 to 5) Advanced level.

Supervised independent study using textbooks, tapes, and software. Includes intensive practice in listening, grammar, and reading as well as coaching in test-taking strategies.

0097 Writing IV (5) For intermediate students.

Focuses on paragraph organization using time-order, listing, description, narration, using reasons and examples, comparison and contrast, and facts and opinions. Mechanics and appropriate complex sentence structure for each method will be practiced. Writing Lab requirement: one hour per week.

1107 Writing V (5) For high-intermediate students.

Provides competence in academic writing focusing on paragraph writing, elements of style, and patterns of writing. Practice using support/evidence, in-text citations, and paraphrase. Includes work on mechanics and detail (such as subject-verb / pronoun-antecedent agreement) as well as on overall organization, support, and coherence. Practice appropriate grammar (especially run-on, comma splice, fragment, subject-verb agreement errors). Writing Lab requirement: one hour per week

1108 Writing VI (5) For advanced students.

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.

WRITING COURSES

0084 Writing I (5) For beginners or near beginners.

Focus on sentence-level writing: clause types, sentence types, sentence combining, conjunctions, and mechanics (punctuation and capitalization). Provides a basic introduction to writing in English that helps students apply what they are learning in other English classes to develop their writing proficiency. Writing Lab requirement: one hour per week.

0085 Writing II (5) For high-beginners.

Continues with sentence-level writing; introduces students to several methods of organizing paragraphs: writing introductions, describing, listing characteristics, stating reasons and examples, and expressing opinion. Appropriate grammar and mechanics is practiced for each method. Writing Lab requirement: one hour per week.

0096 Writing III (5) For low- intermediate students.

Focus on paragraph-level writing: review of mechanics, sentence structure, and sentence combining, followed by analysis of model paragraphs and practice in locating and formulating main ideas and topic sentences. Study of organizational patterns and outlines for various types of paragraphs. Includes work on unity, transitions, and support. Writing Lab requirement: one hour per week.

APPLIED SCIENCE PROGRAM

Through these programs the university offers associate and baccalaureate degrees especially designed for individuals with skills and understanding obtained from accredited post secondary technical schools, community colleges, military schools and non-traditional sources. These programs require residence study (main campus or branch locations). Selected courses are offered through distance learning.

The applied science degrees were initiated after several years of study that involved faculty members, outside consultants and conferences with staff members of the Commission on Colleges, Southern Association of Colleges and Schools. The unique feature of these degree programs is that credit may be awarded for completion of technical courses and/or learning acquired through experience. In assessment and recognition of experiential and other non-traditional education, the university follows the “Principles of Good Practice in Assessing Experiential Learning” recommended by the Council for Adult and Experiential Learning (CAEL). All applied science degree programs are not offered at all locations.

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. 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.

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 2 semester hours of credit. 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.
- b. The student prepares the portfolio, which includes
 1. A statement of the student’s educational goals;
 2. A chronological record of the student’s education and work experiences;
 3. A clear statement of the knowledge and skills not learned in college for which the student desires to receive academic credit;
 4. Information that links the knowledge and skills to the student’s goals and educational degree program; and
 5. 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.
- d. Fee Payment

The student pays the appropriate fees for the credit awarded.
- e. Credit is then posted to the student’s transcript.

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, from both historical and functional points of view, the core of the modern university. The College of Arts and Sciences views creativity, inquiry and understanding as among the greatest values in human experience. Thus, it is dedicated to the questioning, creation and transmission of knowledge; to the provision of undergraduate and graduate educational programs that are responsive to the need for an enlightened and productive citizenry; and to the provision of programs and services that enhance the quality of life of the people it serves. 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.

In addition to general studies courses, major courses and minor courses, sufficient free electives should be chosen to total at least 120 hours.

AEROSPACE STUDIES MINOR (18 HOURS)

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

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

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 and Geography of Alabama
GEO/SOC 4406	(3)	Urbanism
HIS 4405	(3)	History of the Old South
HIS 4406	(3)	History of the New South
HIS/POL 4441	(3)	American Constitutional Develop.
HIS 4470	(3)	Oral History
HIS 4471	(3)	Local History
MGT 4471	(3)	Organizational Behavior
MGT 4474	(3)	Business and Society
POL 3321	(3)	Introduction to Public Administration
SOC 4433	(3)	The Community
SOC 4435	(3)	Sociology of Complex Organizations

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)

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

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 Apps.
TROY 1101	(1)	University Orientation

Select 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 2263	(1)	Physics II with Calculus Lab

Major Requirements

BIO 2229	(3)	General Ecology
BIO L229	(1)	General Ecology Lab
BIO 3320	(3)	Genetics
BIO L320	(1)	Genetics Lab
BIO 3372	(3)	Microbiology
BIO L372	(1)	Microbiology 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 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)	Fall Flora
<i>Select one zoology course with its corresponding lab:</i>		
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 4410	(3)	Animal Behavior
BIO L410	(1)	Animal Behavior 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

Select 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)	Environmental Microbiology
BIO L416	(1)	Environmental Microbiology Lab
BIO 4421	(3)	Population Ecology
BIO L421	(1)	Population Ecology Lab
BIO 4479	(3)	Environmental Assessment
BIO L479	(1)	Environmental Assessment Lab

Select 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 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

Select 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 2229	(3)	General Ecology
BIO L229	(1)	General Ecology Lab
BIO 3320	(3)	Genetics
BIO L320	(1)	Genetics Lab
BIO 3372	(3)	Microbiology
BIO L372	(1)	Microbiology Lab

Select 2-4 additional semester hours of approved upper-level (3300 or above) biology courses with corresponding labs.

BIOLOGY PROGRAM (55 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 and Apps.
TROY 1101	(1)	University Orientation
BIO 1101	(3)	Organismal Biology
BIO L101	(1)	Organismal Biology Lab
CHM 1143	(3)	General Chemistry II
CHM L143	(1)	General Chemistry II Lab

Select one 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 2263	(1)	Physics II with Calculus Lab

Major Requirements

BIO 2229	(3)	General Ecology
BIO L229	(1)	General Ecology Lab

BIO 3320	(3)	Genetics
BIO L320	(1)	Genetics Lab
BIO 3372	(3)	Microbiology
BIO L372	(1)	Microbiology 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 either the general biology concentration (55 hours) or the medical technology concentration (76 hours).

• General Biology Concentration

Select 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

Select 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 4410	(3)	Animal Behavior
BIO L410	(1)	Animal Behavior 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

Select one ecology/environmental course with its corresponding lab:

BIO 4413	(3)	Limnology
BIO L413	(1)	Limnology Lab
BIO 4416	(3)	Environmental Microbiology
BIO L416	(1)	Environmental Microbiology Lab
BIO 4421	(3)	Population Ecology
BIO L421	(1)	Population Ecology Lab
BIO 4479	(3)	Environmental Assessment
BIO L479	(1)	Environmental Assessment Lab

Select one physiology/cell/molecular course with its corresponding lab:

BIO 3347	(3)	Human Anatomy and Physiology I
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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 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

Select 16 additional semester hours (four courses with labs) from the four above categories (botany, zoology, ecology/environmental, and physiology/cell/molecular). Guided Independent Research (BIO 4491/4492) or Guided Independent Study (BIO 4493/4494) may be taken for up to six of these credits. BIO 4491 and 4493 may be mixed and taken in any sequence for up to six credits. However, the two course sequences of BIO 4491/4492 and BIO 4493/4494 may not be taken for more than six credits regardless of the mix. The 16 hours chosen should be based on the student's future plans (employment, graduate school, or professional school).

Select eight semester hours of upper-level general electives.

• Medical Technology 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 3382	(3)	Immunology
BIO L382	(1)	Immunology 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 MT 4400-4413 courses.

BIOLOGY, PREPROFESSIONAL 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 (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

Select 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 2263	(1)	Physics II with Calculus Lab

Requirements for the major

Lectures and their corresponding labs must be taken together.

BIO 2229	(3)	General Ecology
BIO L229	(1)	General Ecology Lab
BIO 3320	(3)	Genetics
BIO L320	(1)	Genetics Lab
BIO 3372	(3)	Microbiology
BIO L372	(1)	Microbiology 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 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 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 4416	(3)	Environmental Microbiology.
BIO L416	(1)	Environmental 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
CHM 3357	(3)	Biochemistry I
CHM L357	(1)	Biochemistry I Lab
CHM 3358	(3)	Biochemistry II

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 3357 is required for Alabama teacher certification.

CHEMISTRY MAJOR (37 HOURS)**Specialized General Studies Requirements****Area III**

BIO 1100	(3)	Principles of Biology
BIO L100	(1)	Principles of Biology Lab
CHM 1142	(3)	General Chemistry I
CHM L142	(1)	General Chemistry I Lab
MTH 1115	(3)	Pre-calculus Algebra and Trigonometry

Area V

IS 2241	(3)	Computer Concepts and Applications
MTH 1125	(4)	Calculus I
TROY 1101	(1)	University Orientation

Select one series:

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

Chemistry Core (34 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
MTH 1126	(4)	Calculus II

Select 3 hours of chemistry electives:

CHM 3357	(3)	Biochemistry I
CHM L357	(1)	Biochemistry Lab
CHM 3358	(3)	Biochemistry II
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

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/L242	Analytical Chemistry and lab
CHM 3357/L357	Biochemistry I and 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.

CHEMISTRY PROGRAM (51 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 1115	(3)	Pre-calculus Algebra and Trigonometry

Chemistry, Mathematics, and Physics Core Courses

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
MTH 1125	(4)	Calculus I
MTH 1126	(4)	Calculus II

Select one series:

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

Select five hours of chemistry electives:

CHM 3357	(3)	Biochemistry I
CHM L357	(1)	Biochemistry Lab
CHM 3358	(3)	Biochemistry II
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

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
GRK ____	(3)	Approved Greek course

COMPREHENSIVE GENERAL SCIENCE PROGRAM (46 HOURS)**Specialized General Studies Requirements****Area III**

BIO 1101	(3)	Principles of Biology
BIO L101	(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

BIO 1101	(3)	Organismal Biology
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BIO L101	(1)	Organismal Biology Lab
CHM 1143	(3)	General Chemistry II
CHM L143	(1)	General Chemistry II Lab
TROY 1101	(1)	University Orientation

CHM 4444	(3)	Advanced Inorganic Chemistry
CHM L444	(1)	Advanced Inorganic Chemistry Lab
CHM 4445	(3)	Instrumental Analysis
CHM L445	(1)	Instrumental Analysis Lab

Select one series:

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
<i>or</i>		
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

Required Courses

BIO 3320	(3)	Genetics
BIO L320	(1)	Genetics Lab
CHM 3342	(3)	Organic Chemistry I
CHM L342	(1)	Organic Chemistry I Lab
MTH 2210	(3)	Applied Statistics
PHY 4410	(3)	Modern Physics
PHY L410	(1)	Modern Physics Lab
SCI 3335	(3)	Geology
SCI L335	(1)	Geology Lab
SCI 3336	(3)	Principles of Astronomy

Select one of the following concentrations:● **Biology Concentration**

BIO 2229	(3)	General Ecology
BIO L229	(1)	General Ecology Lab
BIO 3347	(3)	Anatomy & Physiology I
BIO L347	(1)	Anatomy & Physiology I Lab
BIO 3348	(3)	Anatomy & Physiology II
BIO L348	(1)	Anatomy & Physiology II Lab
BIO 3372	(3)	General Microbiology
BIO L372	(1)	General Microbiology Lab

*Select 1 botany course with corresponding lab (four hours).**Select 1 zoology course with corresponding lab (four hours).*● **Chemistry Concentration**

CHM 2242	(3)	Analytical Chemistry
CHM L242	(1)	Analytical Chemistry Lab
CHM 3343	(3)	Organic Chemistry II
CHM L343	(1)	Organic Chemistry II Lab
CHM 3357	(3)	Biochemistry I
CHM L357	(1)	Biochemistry I Lab
CHM 3381	(3)	Physical Chemistry I
CHM L381	(1)	Physical Chemistry I Lab

Select a minimum of 8 semester hours of coursework from the following:

CHM 3358	(3)	Biochemistry II
CHM 3382	(3)	Physical Chemistry II
CHM L382	(1)	Physical Chemistry II Lab
CHM 4403	(3)	Advanced Organic Chemistry

● **Physics Concentration**

PHY 4411	(3)	Advanced Modern Physics
PHY 4459	(3)	Optics
PHY L459	(1)	Optics lab
PHY 4420	(3)	Mechanics
PHY 4430	(3)	Electromagnetic Fields
PHY 4495	(3)	Topics in Physics

Select 8 hours of upper level physics or chemistry courses approved by the academic adviser.

COMPUTER SCIENCE, APPLIED MAJOR (36 HOURS)

Specialized General Studies Requirements**Area III**

MTH 2201	(3)	Business Calculus
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*Select additional Area III requirements as shown in the General Studies section of this catalog.***Area V**

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

Major Requirements

CS 2244	(3)	Computer Programming I
CS 2260	(3)	Computer Programming II
CS 2265	(3)	Advanced Programming I
CS 3330	(3)	Data Structures and Algorithms
CS 4420	(3)	Introduction to Database Management 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 2262	(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 bulletin for additional information regarding associate degrees.***Area I**

ENG 1101	(3)	Composition and Modern
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ENG 1102	(3)	English I Composition and Modern English II
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Area II*Select one:*

ENG 2205	(3)	World Literature I
ENG 2206	(3)	World Literature II
ENG 2211	(3)	American Literature I
ENG 2212	(3)	American Literature II
ENG 2244	(3)	British Literature I
ENG 2245	(3)	British Literature II

Select one:

ART 1133	(2)	Visual Arts
DRA 2200	(2)	Introduction to Drama
MUS 1131	(2)	Music Appreciation

Area III*Select one:*

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 IV

MTH 1125	(3)	Calculus I
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Select one science course and corresponding lab:

BIO 1100	(3)	Principles of Biology
BIO L110	(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 V

COM 1110	(3)	Effective Communication (Montgomery campus only)
IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

Area VI

CS 2244	(3)	Computer Programming I
CS 2260	(3)	Computer Programming II
CS 2261	(3)	Foundations of Computer Science Concepts
CS 3323	(3)	Data Structures
CS 3329	(3)	Analysis of Algorithms
CS 3332	(3)	Software Engineering I
CS 3357	(3)	Logical Structures
MTH 2215	(3)	Applied Discrete Mathematics

Area VII*Select 7-10 hours of free electives.***COMPUTER SCIENCE MINOR (18 HOURS)**

CS 2244	(3)	Computer Programming I
CS 2260	(3)	Computer Programming II

*Select 12 semester hours of computer science courses with at least one course being at the 4000 level.***COMPUTER SCIENCE PROGRAM (49 HOURS)****General Studies Requirements****Area III**

MTH 1125	(4)	Calculus I, in lieu of MTH 1110
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*Select remaining Area III courses as shown in the General Studies section of this catalog.***Area V**

CS 2244	(3)	Computer Programming I
TROY 1101	(1)	University Orientation

Required Courses:

MTH 1126	(4)	Calculus II
MTH 2215	(3)	Applied Discrete Mathematics
CS 2260	(3)	Computer Programming II
CS 2261	(3)	Foundations of Computer Science
CS 3323	(3)	Data Structures
CS 3329	(3)	Analysis of Algorithms
CS 3332	(3)	Software Engineering I
CS 3372	(3)	Formal Languages and the Theory of Computation
CS 3357	(3)	Logical Structures of Computer Design
CS 3365	(3)	Intro to Computer Organization and Architectures
CS 3370	(3)	Nature of Programming Languages
CS 4420	(3)	Introduction to Database Manage- ment Systems
CS 4445	(3)	Data Communication and Network- ing
CS 4448	(3)	Operating Systems

Select two of the following:

MTH 2210	(3)	Applied Statistics
CS 3325	(3)	Operations Research
CS 3331	(3)	Fundamentals of Artificial Intelli- gence
CS 3339	(3)	Fundamentals of Object-Oriented Programming
CS 4401	(3)	Special Topics in AI
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

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 12 additional hours of advanced (2000) or upper-level Criminal Justice courses, as approved by adviser.

CRIMINAL JUSTICE MINOR (18 HOURS)

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

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

ENGLISH MAJOR (36 HOURS)

Specialized General Studies Requirements

Area V

ENG 2211	(3)	American Literature I
ENG 2212	(3)	American Literature II
ENG 2244	(3)	British Literature I
ENG 2245	(3)	British Literature II
IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

Major Requirements

ENG 3341	(3)	Advanced Grammar
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Select an additional 33 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 and Professional Writing
ENG 3345	(3)	Technical and Professional Editing
ENG 3365	(3)	Advanced Technical and Professional Writing
ENG 3366	(3)	Professional Document Design
ENG 4488	(3)	Seminar in Professional Writing Portfolio Design
ENG 4490	(3)	Professional Writing Internship

Select an additional four courses:

ENG 3320	(3)	Introduction to Linguistics
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ENG 3342	(3)	Advanced Composition
ENG 3351	(3)	Creative Writing I
ENG 3352	(3)	Creative Writing II
ENG 4400	(3)	Selected Topics
ENG 4405	(3)	History of English Language

ENGLISH MINOR (18 HOURS)

ENG 3341	(3)	Advanced Grammar
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Select one sequence:

ENG 2211	(3)	American Literature I
ENG 2212	(3)	American Literature II
or		
ENG 2244	(3)	British Literature I
ENG 2245	(3)	British Literature II

Select an additional nine hours of upper division English courses.

ENGLISH MINOR, CREATIVE WRITING (18 HOURS)

ENG 3351	(3)	Introduction to Creative Writing
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Select an additional 15 hours from the following:

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 4427	(3)	Contemporary Literature
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 3342	(3)	Advanced Composition
ENG 3351	(3)	Creative Writing I
ENG 3352	(3)	Creative Writing II
ENG 4400	(3)	Selected Topics
ENG 4405	(3)	History of English Language

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

SPH 2241	(3)	Fundamentals of Speech
DRA 2200	(2)	Introduction to Drama
ENG 2205	(3)	World Literature I

ENG 2206 (3) World Literature II

Select one of the following:

ART 1133 (2) Visual Arts
MUS 1131 (2) Music Appreciation

Area V

ENG 2211 (3) American Literature I
ENG 2212 (3) American Literature II
ENG 2244 (3) British Literature I
ENG 2245 (3) British Literature II
IS 2241 (3) Computer Concepts and Apps.
JRN 1101 (3) Intro. to Mass Communications
TROY 1101 (1) University Orientation

Required Courses for Language Arts

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 4342 (3) Advanced Writing
ENG 4405 (3) History of Language
JRN 3326 (3) Advising Student Publications
SPH 3342 (3) Argumentation and Debate
SPH 4441 (2) Oral Interpretation

Select twelve hours of upper division English electives, six of which must be at the 4000 level, three of which may be upper-level creative writing

ENVIRONMENTAL SCIENCE MINOR (18-20 SEMESTER HOURS)

BIO 2202 (3) Principles of Environmental Science
BIO L202 (1) Principles of Environmental Science Lab
BIO 4428 (3) Environmental Pollution and Control
BIO L428 (1) Environmental Pollution and Control Lab

Select 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 3357 (3) Biochemistry I

CHM L357 (1) Biochemistry I Lab
CHM 4445 (3) Instrumental Analysis
CHM L445 (1) Instrumental Analysis Lab

ENVIRONMENTAL SCIENCE PROGRAM (55 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 and Apps.
TROY 1101 (1) University Orientation
BIO 1101 (3) Organismal Biology
BIO L101 (1) Organismal Biology Lab
CHM 1143 (3) General Chemistry II
CHM L143 (1) General Chemistry II Lab

Select one 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 2229 (3) General Ecology
BIO L229 (1) General Ecology Lab
BIO 3320 (3) Genetics
BIO L320 (1) Genetics Lab
BIO 3372 (3) Microbiology
BIO L372 (1) Microbiology 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 4428 (3) Environmental Pollution and Control
BIO L428 (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

Select eight hours of approved upper-level courses in approved biology, chemistry or mathematics.

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

FRENCH MINOR (18 HOURS)

Select 18 hours of approved courses in French.

GENERAL EDUCATION A.A. DEGREE (60 HOURS)

Associate of Arts Degree

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

Area I

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

Area II

Select one:

ENG 2205	(3)	World Literature I
ENG 2206	(3)	World Literature II
ENG 2211	(3)	American Literature I
ENG 2212	(3)	American Literature II
ENG 2244	(3)	British Literature I
ENG 2245	(3)	British Literature II

Select one:

ART 1133	(2)	Visual Arts
DRA 2200	(2)	Introduction to Drama
MUS 1131	(2)	Music Appreciation

Select six hours of one foreign language.

Area III

Select one:

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 IV

Select one:

MTH 1102	(3)	Finite Mathematics
MTH 1112	(3)	College Algebra

Select one science course and corresponding lab:

BIO 1100	(3)	Principles of Biology
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BIO L110	(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 V

COM 1110	(3)	Effective Communication (Montgomery campus only)
IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

Area VI

Select any minor or area of concentration.

Area VII

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 bulletin for additional information regarding associate degrees.

Area I

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

Area II

Select one:

ENG 2205	(3)	World Literature I
ENG 2206	(3)	World Literature II
ENG 2211	(3)	American Literature I
ENG 2212	(3)	American Literature II
ENG 2244	(3)	British Literature I
ENG 2245	(3)	British Literature II

Select one:

ART 1133	(2)	Visual Arts
DRA 2200	(2)	Introduction to Drama
MUS 1131	(2)	Music Appreciation

Area III

Select one:

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 IV

Select one:

MTH 1102	(3)	Finite Mathematics
MTH 1112	(3)	College Algebra

Select one science course and corresponding lab:

BIO 1100	(3)	Principles of Biology
BIO L110	(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 V

COM 1110	(3)	Effective Communication (Montgomery campus only)
IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

Area VI

Select any minor or area of concentration.

Area VII

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 and Surveying
GEM L220	(1)	Basics of Cartography and 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 2260	(3)	Computer Programming II
CS 3330	(3)	Data Structures and Algorithms
CS 3339	(3)	Fundamentals of Object-Oriented Programming

GIS Database Development

CS 2260	(3)	Computer Programming II
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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.

GEOMATICS MAJOR (47 HOURS)

Specialized General Studies Requirements

Area II

Select the following in lieu of ART 1133:

ART 2201	(3)	Introductory Drawing
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Select remaining Area II courses as specified in the General Studies section of this catalog.

Area III

BIO 1100	(3)	Principles of Biology
BIO L100	(1)	Principles of Biology Lab
PHY 2252	(3)	General Physics I
PHY L252	(1)	General Physics I Lab
MTH 1125	(4)	Calculus I

Area IV

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

Select one history sequence as specified in the General Studies section of this catalog.

Area V

IS 2241	(3)	Computer Concepts and Apps.
TROY 1101	(1)	University Orientation
CS 2244	(3)	Computer Programming I
MTH 2210	(3)	Applied Statistics
MTH 1126	(4)	Calculus II
PHY 2253	(3)	General Physics II
PHY L253	(1)	General Physics II Lab

Major Requirements

GEM 2200	(3)	Basics of Cartography and Surveying
GEM L220	(1)	Basics of Cartography and Surveying Lab
GEM 3309	(3)	Land Parcel Administration and Law
GEM L309	(1)	Land Parcel Administration and Law Lab
GEM 3310	(3)	Land Surveying Practice
GEM L310	(1)	Boundary Retracement Lab
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 and Geodesics

GEM L370	(1)	Geodesy and Geodesics Lab
GEM 3379	(3)	Introduction to Least Squares Adjustment
GEM L379	(1)	Introduction to Least Squares Adjustment Lab
GEM 3390	(3)	Intro to GIS
GEM L390	(1)	Intro to GIS Lab
GEM 3391	(3)	Applications of GIS
GEM L391	(1)	Applications of GIS Lab
GEM 4405	(2)	Route and Construction Survey
GEM L405	(1)	Route and Construction Survey Lab
GEM 4407	(1)	Land Development/Subdivision Design
GEM L407	(1)	Land Development/Subdivision Design Lab
GEM 4409	(3)	Hydrology
GEM L409	(1)	Hydrology Lab
GEM 4499	(2)	Geomatics/GIS Projects

NOTE: It is strongly recommended that each student gain work experience with a professional surveyor or geomatics firm after completion of the sophomore year.

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

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

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 9 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.

NOTE: Students majoring in History Education may not select the Civil Rights emphasis in history.

HISTORY MAJOR (36 HOURS)

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

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	(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.

• **CIVIL RIGHTS EMPHASIS**

Specialized General Studies Requirements

Area IV

Select a six hour sequence in western civilization or world history.

Select six additional Area IV courses as specified in the General Studies section of this catalog.

Area V

IS 2241	(3)	Computer Concepts and Apps.
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
HIS 4430	(3)	Civil Rights Movement
HIS 4494	(3)	Guided Independent Study in Civil Rights
SOC 3310	(3)	Minorities in the U.S. Social Structure
ENG 4465	(3)	African-American Literature

Select nine hours of approved upper-level American/Latin American courses

Select nine 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

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

Requirements for the Major

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

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

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

HISTORY MINOR (18 HOURS)

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.

HUMANITIES MINOR (18 HOURS)

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

LATIN MINOR (18 HOURS)

Select 18 hours of approved courses in Latin.

MARINE BIOLOGY PROGRAM (55 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

IS 2241	(3)	Computer Concepts and Apps.
TROY 1101	(1)	University Orientation
BIO 1101	(3)	Organismal Biology
BIO L101	(1)	Organismal Biology Lab
CHM 1143	(3)	General Chemistry II
CHM L143	(1)	General Chemistry II Lab

Select one 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 Major

Lectures and the corresponding labs must be taken together.

BIO 2229	(3)	General Ecology
BIO L229	(1)	General Ecology Lab
BIO 3320	(3)	Genetics
BIO L320	(1)	Genetics Lab
BIO 3372	(3)	Microbiology
BIO L372	(1)	Microbiology 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

Select three additional upper-level adviser-approved biology courses (12 SH). Lectures and their corresponding labs must be taken together.

Dauphin Island Sea Lab 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.

Select three courses:

MB 4403	(4)	Marine Vertebrate Zoology
MB 4404	(4)	Marine Botany
MB 4410	(4)	Introduction to Oceanography
MB 4406	(4)	Marsh Ecology, or
MB 4418	(4)	Marine Behavioral Ecology, or
MB 4423	(4)	Marine Ecology

Select four semester hours of marine biology elective(s).

Select eight semester hours of upper-level general electives other than biology.

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 L110	(1)	Principles of Biology Lab

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

Select three or four hours from the following. Note that MTH 1125 is preferred.

MTH 1112	(3)	Pre-calculus Algebra
MTH 1114	(3)	Pre-calculus Trigonometry
MTH 1115	(4)	Pre-Calculus Algebra and Trigonometry
MTH 1125	(4)	Calculus I (Preferred)

Area V

TROY 1101	(1)	University Orientation
MTH 1114	(3)	Pre-calculus Trigonometry (if not taken in Area III)
MTH 1125	(4)	Calculus I (if not taken in Area III)
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 9 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 SCIENCE MINOR (16 HOURS)

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

PHYSICAL SCIENCE MINOR (19-20 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

Select one series:

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

Select an upper-level course in chemistry or physics (3-4 SH).

PHYSICS MINOR (20 HOURS)

PHY 3310	(3)	Modern Physics
PHY L310	(1)	Modern Physics Lab
PHY 4420	(3)	Mechanics
PHY L420	(1)	Mechanics Lab

Select one series:

PHY 2252	(3)	Gen. Physics I
PHY L252	(1)	Gen. Physics Lab
PHY 2253	(3)	Gen. Physics II

PHY L253	(1)	Gen. Physics Lab II
or		
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

Select an additional four hours of adviser-approved, upper-level physics courses.

POLITICAL SCIENCE MAJOR (36 HOURS)

Specialized General Studies Requirements

Area V

IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation
POL 2241	(3)	American National Government or placement in POL 1114
POL 2200	(3)	World Politics

Major Requirements

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

Select one of the following concentrations:

• American Politics Concentration

Select 15 hours from the following:

POL 3340	(3)	U.S. Government – Executive Branch
POL 3341	(3)	U.S. Government – Legislative Branch
POL 3342	(3)	U.S. Government – Judicial Branch
POL 3343	(3)	American Political Processes
POL 3364	(3)	State and Local Politics
POL 4422	(3)	Public Policy Making
POL 4423	(3)	American Foreign Policy to 1920
POL 4424	(3)	Contemporary American Foreign Policy
POL 4420	(3)	Constitutional Law
POL 4471	(3)	Intergovernmental Relations

Select an additional 15 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 4415	(3)	International Conflict
POL 4423	(3)	American Foreign Policy to 1920
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 4465	(3)	Politics of the Developing World

POL 4466	(3)	Middle Eastern Politics
POL 4470	(3)	European Politics
POL 4474	(3)	Political Violence and Terrorism
POL 4476	(3)	Politics of Southeast Asia

Select an additional 15 hours of upper-level (3000-4000) political science courses, as approved by your academic adviser.

• Public Administration Concentration

Select 15 hours from the following:

POL 3364	(3)	State and Local Politics
POL 4421	(3)	Principles of Public Administration
POL 4422	(3)	Public Policy Making
POL 4451	(3)	Public Personnel Administration
POL 4432	(3)	Comparative Public Policy
POL 4453	(3)	Bureaucratic Politics
POL 4471	(3)	Intergovernmental Relations
POL 4472	(3)	Administrative Law
POL 4476	(3)	Politics of Southeast Asia

Select an additional 15 hours of upper-level 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.

SOCIAL SCIENCE EDUCATION

Students seeking Alabama teacher certification should complete the social science major with a general social science concentration and select education as a second major. Students should consult their education advisers concerning all certification requirements and with their academic discipline adviser for requirements in the major.

SOCIAL SCIENCE MAJOR (36 HOURS)

Specialized General Studies Requirements

AREA IV (12 SH)

NOTE: Social Science majors with concentrations in anthropology, geography, or sociology should take Area IV electives appropriate for their concentration.

Requirements for the Major

SS 3375	(3)	Introduction to Social Scientific Inquiry
SS 3376	(3)	Application of Social Scientific Inquiry
SS 4498	(3)	Social Science Theory
SS 4499	(3)	Senior Seminar

Select one concentration:

• Concentration 1: Anthropology

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

Select at least 18 hours of additional 3000/4000-level anthropology courses as approved by your faculty adviser.

• Concentration 2: General Social Science

Select at least 24 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 2230) in at least three disciplines.

• Concentration 3: Geography

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

Select at least 18 hours of additional 3000/4000-level courses as approved by your faculty adviser:

• Concentration 4: Leadership

- LDR 1100 (3) Introduction to Leadership
- LDR 4400 (3) Leadership Seminar*

*Requires approval of the Director of the Institute of Leadership Development

Select an additional 18 hours from the following:

- AS 3312 (3) Air Force Leadership Studies I
- AS 3313 (3) Air Force Leadership Studies II
- HIS 4415 (3) Contemporary America
- MGT 3371 (3) Principles of Management and Organizational Behavior
- MGT 3375 (3) Human Resources Management
- MS 2202 (2) Leadership, Management and Tactics
- MS 2204 (1) Leadership Lab
- POL 3321 (3) Principles of Public Administration
- POL 3322 (3) Public Policy Making
- POL 3351 (3) Foundations of International Relations
- PSY 4410 (3) Business and Industrial Psychology
- SPH 3345 (3) Group Discussion and Leadership
- SOC 3301 (3) Social Change in the Information Age
- SOC 3302 (3) Sociology of Small Groups

• Concentration 5: Sociology

Select at least 24 hours of additional 3000/4000-level sociology courses as approved by your faculty adviser.

SOCIAL SCIENCE MINOR: GENERAL SOCIAL SCIENCE (18 HOURS)

- SS 4498 (3) Social Science Theory

Select an additional 15 hours from at least three of the following: anthropology, economics, geography, history, political science, psychology or sociology. At least 12 hours must be 3000/4000 level.

SOCIAL SCIENCE MINOR: LEADERSHIP (18 HOURS)

- LDR 1100 (3) Introduction to Leadership
- LDR 4400 (3) Leadership Seminar*
- SS 4498 (3) Social Science Theory

*Requires approval of the Director of the Institute of Leadership Development

Select an additional nine hours from the following:

- AS 3312 (3) Air Force Leadership Studies I
- AS 3313 (3) Air Force Leadership Studies II
- HIS 4415 (3) Contemporary America
- MGT 3371 (3) Principles of Management and Organizational Behavior
- MGT 3375 (3) Human Resources Management
- MS 2202 (2) Leadership, Management and Tactics
- MS 2204 (1) Leadership Lab
- POL 3321 (3) Principles of Public Administration
- POL 3322 (3) Public Policy Making
- POL 3351 (3) Foundations of International Relations
- PSY 4410 (3) Business and Industrial Psychology
- SPH 3345 (3) Group Discussion and Leadership
- SOC 3301 (3) Social Change in the Information Age
- SOC 3310 (3) Cultural Diversity and Ethnic Relations

SOCIOLOGY MAJOR (36 HOURS)

Specialized General Studies Requirements

Area V

- IS 2241 (3) Computer Concepts and Applications
- TROY 1101 (1) University Orientation
- ANT 2200 (3) Anthropology
- SOC 2230 (3) Social Problems in Contemporary Society
- SOC 2275 (3) Introduction to Sociology

Requirements for the Major

- SOC 3300 (3) Social Institutions
- SOC 4420 (3) Sociological Theory
- SS 3376 (3) Application of Social Scientific Inquiry

Select an additional 27 hours of approved upper-level sociology courses.

SOCIOLOGY MINOR (18 HOURS)

- ANT 2200 (3) Anthropology
- SOC 2230 (3) Social Problems in Contemporary Society

Select an additional 12 hours of approved, upper-level sociology courses.

SPANISH MINOR

Select 18 hours of approved courses in Spanish.

SORRELL COLLEGE OF BUSINESS

The academic mission of the Sorrell College of Business is to prepare a diverse body of students for entry and personal growth in business and government-related careers by means of high quality instruction delivered in traditional, nontraditional, and emerging electronic formats.

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. 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.

Majors within the Bachelor of Science (or Arts) Business Administration degree are offered in accounting, general business, finance, information systems, management, marketing, and risk management and insurance. Within the management and general business majors, students may select concentrations that focus on international business, business economics, human resource management, small business and entrepreneurship, as well as production and operations management. Within the information systems major, students may focus on networking, general information systems, or web development. A Bachelor of Applied Science degree is offered in resources and technology management. Minors are offered in business administration and information systems.

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 the Master of Business Administration.

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

General Studies	48 hours ¹
Business Administration Core	42 hours ^{2, 3, 4}
Courses in the major	<u>30 hours</u> ^{3, 4}
Total	120 hours

¹The 48 hours of general studies must include six hours of Principles of Economics I & II and MTH 2201, completed with a grade of C or better.

²Students 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 may enroll concurrently in the last of these courses along with their initial 3000-level courses subject to their adviser’s approval and consistent with published prerequisite requirements. Under no condition may a student enroll in a 4000-level course without the satisfactory completion (grade of C or higher) of the lower-level courses listed above.

³Transfer 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.

⁴Students must achieve an overall C average in both their business core and their business major in order to be eligible to graduate. All courses should be taken in the appropriate numerical sequence (i.e., 3000-level courses should be completed before attempting 4000-level courses).

BUSINESS ADMINISTRATION CORE (42 HOURS)

ACT 2291	(3)	Principles of Accounting I
ACT 2292	(3)	Principles of Accounting II
BUS 3382	(3)	Business Communications
FIN 3331	(3)	Managerial Finance I
FIN 3332	(3)	Managerial Finance II
IS 3300	(3)	Introduction to Information Systems
LAW 2221	(3)	Legal Environment of Business
MGT 3371	(3)	Principles of Management
MGT 3373	(3)	Operations Management
MGT 4476	(3)	Strategic Management
MKT 3361	(3)	Principles of Marketing
QM 2241	(3)	Business Statistics I
QM 3341	(3)	Business Statistics II

Select one course with permission of faculty adviser:

ACT 4435	(3)	International Accounting
ECO 4451	(3)	International Trade
FIN 4435	(3)	International Banking and Finance
MGT 4478	(3)	International Management
MKT 4468	(3)	International Marketing

Select one business administration major (30 hours):

- Accounting
- Finance
- General Business
- Information Systems
- Management
- Marketing
- Risk Management and Insurance

ACCOUNTING MAJOR (30 HOURS)

B.S./B.A. in Business Administration degree with a major in accounting (ACT):

ACT 3391	(3)	Intermediate Accounting I
ACT 3392	(3)	Intermediate Accounting II
ACT 3394	(3)	Governmental Accounting

ACT 3395	(3)	Managerial/Cost Accounting
ACT 4491	(3)	Advanced Accounting I
ACT 4494	(3)	Income Tax I
ACT 4495	(3)	Income Tax II
ACT 4497	(3)	Auditing

Select one accounting elective:

ACT 3396	(3)	Accounting Information Systems
ACT 4496	(3)	Managerial/Cost Accounting II
ACT 4498	(3)	Advance Auditing

Select one upper level business course elective.

FINANCE MAJOR (30 HOURS)

FIN 4431	(3)	Financial Management
FIN 4432	(3)	Investments
FIN 4437	(3)	Financial Institutions

Select six electives:

FIN 3333	(3)	Financial Mathematics
FIN 3334	(3)	Financial Statement Analysis
FIN 3336	(3)	Real Estate Finance I
FIN 3337	(3)	Personal Financial Planning
FIN 4419	(3)	Speculative Markets
FIN 4434	(3)	Financial Modeling
FIN 4436	(3)	Securities Analysis
FIN 4438	(3)	Bank Management
FIN 4439	(3)	Finance Seminar
FIN 4440	(3)	Real Estate Finance II
FIN 4454	(3)	Public Finance
FIN 4495	(3)	Selected Topics in Finance
RMI 3335	(3)	Principles Of Management and Insurance

Select one upper level business course elective.

GENERAL BUSINESS MAJOR (30 HOURS)

B.S./B.A. in Business Administration degree with a major in general business

Concentrations in general business, business economics, international business, and small business and entrepreneurship

Select one upper level course in three of the following five areas:

- Accounting
- Economics
- Finance
- Management
- Marketing

Select one concentration (21 hours):

Business Economics Concentration:

- Select five upper level economics courses (15 hours).
- Select two upper level finance courses (six hours).

General Business Concentration:

- Select seven upper level courses among the business disciplines, with a limit of three courses in one discipline.

International Business Concentration:

Select three of the following courses not used to satisfy the business core global issues requirement (nine hours):

ACT 4435	(3)	International Accounting
ECO 4451	(3)	International Trade
FIN 4435	(3)	International Banking and Finance
MGT 4478	(3)	International Management
MKT 4468	(3)	International Marketing

Select two upper level business course electives (six hours).

Select two modern foreign language courses (six hours).

Small Business and Entrepreneurship Concentration:

MGT 4475	(3)	Small Business Management
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Select four of the following courses:

ACT 3396	(3)	Accounting Information Systems
MGT 3375	(3)	Human Resource Management
MGT 4472	(3)	Organizational Behavior
MGT 4460	(3)	Introduction to Project Management
MKT 3365	(3)	Integrated Marketing Communications
MKT 4463	(3)	Retailing

Select two upper level business course electives (six hours).

INFORMATION SYSTEMS MAJOR (30 HOURS)

B.S./B.A. in Business Administration degree with a major in information systems (IS)

IS 2244	(3)	Computer Programming I
IS 2260	(3)	Computer Programming II
IS 3320	(3)	Data Communications and Computer Networking
IS 3330	(3)	Web Authoring
IS 3346	(3)	Database Management Systems I
IS 4447	(3)	System Engineering and Project Management
IS 4460	(3)	E-Commerce Design

Select one concentration:

General IS Concentration (nine hours)

Select three courses from the following:

IS 3339	(3)	Object-Oriented Programming I
IS 3349	(3)	Object-Oriented Programming II
IS 3380	(3)	Network Operating Systems
IS 4430	(3)	Web Site Design
IS 4440	(3)	Database Management Systems II
IS 4443	(3)	Internet Development
IS 4450	(3)	Network Design and Management
IS 4451	(3)	Network Infrastructure and Security
MGT 4480	(3)	Technology and Management Innovation

Networking Concentration (nine hours)

IS 3380	(3)	Network Operating Systems
IS 4450	(3)	Network Design and Management
IS 4451	(3)	Network Infrastructure and Security

Web Development Concentration (nine hours)

IS 4430	(3)	Web Site Design
IS 4440	(3)	Database Management Systems II
IS 4443	(3)	Internet Development

MGT 4465	(3)	Business Logistics
MGT 4480	(3)	Technology and Innovation Management
MGT 4490	(3)	Total Quality Management
QM 3342	(3)	Introduction to Operations Research

MANAGEMENT MAJOR (30 HOURS)

B.S./B.A. in Business Administration degree with a major in management (MGT)

Concentrations in general management, human resource management, and production and operations management

MGT 4472	(3)	Organization Behavior
MGT 3375	(3)	Human Resource Management
MGT 4479	(3)	Management Seminar

Select one concentration:

General Management Concentration

MGT 4460	(3)	Introduction to Project Management
MGT 4471	(3)	Organizational Development
MGT 4473	(3)	Labor Law and Collective Bargaining
MGT 4474	(3)	Business and Society
MGT 4475	(3)	Small Business Management
MGT 4480	(3)	Technology and Innovation Management
MGT 4481	(3)	Staffing
MGT 4482	(3)	Managing Health, Safety and Diversity
MGT 4483	(3)	Human Resources Development
MGT 4485	(3)	Performance Appraisal and Compensation
MGT 4490	(3)	Total Quality Management
MKT 3363	(3)	Transportation Management
MKT 4463	(3)	Retailing
MKT 4465	(3)	Business Logistics
QM 3342	(3)	Introduction to Operations Research

Select one upper level business course elective.

Human Resource Management Concentration

Select six of the following courses:

BUS 4499	(3)	Internship
MGT 4471	(3)	Organizational Development
MGT 4473	(3)	Labor Law and Collective Bargaining
MGT 4481	(3)	Staffing
MGT 4482	(3)	Managing Health, Safety and Diversity
MGT 4483	(3)	Human Resource Development
MGT 4485	(3)	Performance Appraisal and Compensation
MGT 4496	(3)	Selected Topics in Human Resources

Select one upper level business course elective.

Production and Operations Management Concentration

Select six of the following courses:

BUS 4499	(3)	Faculty approved Internship
ECO 3357	(3)	Managerial Economics
MGT 4460	(3)	Introduction to Project Management

Select one upper level business course elective.

MARKETING MAJOR (30 HOURS)

B.S./B.A. in Business Administration degree with a major in marketing (MKT)

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

Select three to five marketing electives (9-15 hours):

MKT 3362	(3)	Advertising
MKT 3364	(3)	Services Marketing
MKT 3365	(3)	Integrated Marketing Communications
MKT 4461	(3)	Personal Selling
MKT 4463	(3)	Retailing
MKT 4466	(3)	Direct Marketing
MKT 4481	(3)	Internet Marketing I

Select one to three marketing electives (3-9 hours) to accumulate a total of 27 hours in marketing courses:

BUS 4460	(3)	Business Consulting and Research
MKT 3363	(3)	Transportation Management
MKT 4465	(3)	Business Logistics
MKT 4467	(3)	Sales Management
MKT 4482	(3)	Internet Marketing II
MKT 4495	(3)	Selected Topics in Marketing

Select one upper level business course elective.

RISK MANAGEMENT AND INSURANCE MAJOR (30 HOURS)

B.S./B.A. in Business Administration degree with a major in risk management and insurance

RMI 3335	(3)	Principles of Risk Management and Insurance
RMI 3340	(3)	Surplus Lines and Reinsurance
RMI 3346	(3)	Life and Health Insurance
RMI 3348	(3)	Property and Liability Insurance
RMI 33xx	(3)	Agency Management
RMI 3442	(3)	Insurance Operations
RMI 4440	(3)	Corporate Risk Management
RMI 4449	(3)	Risk Management and Insurance Seminar

Select two upper level business course electives (three hours).

**B.A.S. IN RESOURCES AND TECHNOLOGY
MANAGEMENT**

***Bachelor of Applied Science in Resources and Technology and
Management Degree***

General Studies	48 hours ¹
Business Administration Core	42 hours ^{2, 3, 4}
Courses in the major	<u>30 hours</u> ^{3, 4}
Total	120 hours

¹The 48 hours of general studies must include six hours of Principles of Economics I & II and MTH 2201 completed with a grade of C or better.

²Students 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 may enroll concurrently in the last of these courses along with their initial 3000-level courses subject to their adviser's approval and consistent with published prerequisite requirements. Under no condition may a student enroll in a 4000-level course without the satisfactory completion (grade of C or higher) of the lower-level courses listed above.

³Transfer 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.

⁴Students must achieve an overall C average in both their business core and their business major in order to be eligible to graduate. All courses should be taken in the appropriate numerical sequence (i.e., 3000-level courses should be completed before attempting 4000-level courses).

Specialized technical courses (12-18 hours)

Credit will be awarded for specialized technical knowledge based upon one or all of the following: American Council of Education credit recommendations, credit for experiential learning that has been evaluated by Troy University faculty and approved by the appropriate dean 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, i.e., nursing, computer science, information systems, or education. Specialized technical knowledge and course work will normally be recognized in the following areas which are incorporated under the technology resources management program:

- Acquisitions/Contracts
- Air Traffic Control
- Aircraft Maintenance
- Aviation Operations
- Contracts and Acquisitions
- Electronics
- Fire Science
- Military Science
- Other Approved Technical Areas

For a student to qualify for the transfer of technical credit from a regionally accredited community college or technical school, he or she must have a minimum of 18 semester hours of transferable credit (in the same technical field) with a minimum

overall grade point average of 2.0 on a 4.0 scale.

Upper level business or technology electives (12-18 hours)

BUSINESS, ASSOCIATE OF SCIENCE (60 HOURS)

Associate of Science Degree

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

Area I

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

Area II

Select one:

ENG 2205	(3)	World Literature I
ENG 2206	(3)	World Literature II
ENG 2211	(3)	American Literature I
ENG 2212	(3)	American Literature II
ENG 2244	(3)	British Literature I
ENG 2245	(3)	British Literature II

Select one:

ART 1133	(2)	Visual Arts
DRA 2200	(2)	Introduction to Drama
MUS 1131	(2)	Music Appreciation

Area III

Select one:

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 IV

MTH 2201	(3)	Business Calculus
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Select one science course and corresponding lab:

BIO 1100	(3)	Principles of Biology
BIO L110	(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 V

COM 1110	(3)	Effective Communication <i>(Montgomery campus only)</i>
IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

Area VI

ACT 2291	(3)	Principles of Accounting I
ACT 2292	(3)	Principles of Accounting II
ECO 2251	(3)	Principles of Macroeconomics

ECO 2252	(3)	Principles of Microeconomics
FIN 3331	(3)	Managerial Finance I
LAW 2221	(3)	Legal Environment of Business
MGT 3371	(3)	Principles of Management
MKT 3361	(3)	Principles of Marketing
QM 2241	(3)	Statistics I
QM 2242	(3)	Statistics II

Area VII

Select free electives to total 60 hours for the associate degree.

BUSINESS ADMINISTRATION MINOR (18 HOURS)

BUS	1101	(3)	Introduction to Business
ECO	2251	(3)	Principles of Macro-economics
<i>or</i>			
ECO	2252	(3)	Principles of Micro-economics

Select twelve hours of business courses, two of which are at the 3000-4000 level. All prerequisites must be met.

INFORMATION SYSTEMS MINOR (18 HOURS)

IS	2244	(3)	Computer Programming I
IS	3300	(3)	Introduction to Information Systems
IS	3320	(3)	Data Communications and Computer Networking
IS	3330	(3)	Web Authoring
IS	3346	(3)	Database Management Systems I

Select one upper-level IS course.

COLLEGE OF COMMUNICATION AND FINE ARTS

The College of Communication and Fine Arts is comprised of four units: the Department of Art and Design, the Hall School of Journalism, the John M. Long School of Music, and the Department of Speech and Theatre. The mission of the college is to provide excellence in instruction in selected communication and fine arts disciplines along with practical experiences in journalism, mass communication, music, speech communication, theatre and visual arts. 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. 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 the Troy, Alabama, region. Accordingly, the college offers such fine arts events as art exhibits; symphony band, jazz band, and choral concerts; and theatrical performances (including musical and children's theatre). In addition, the college offers a variety of symposia and workshops, annual awards for outstanding journalists and an annual fine arts season subscription.

Department of Art and Design

The Department of Art and Design has a vision for the preparation of tomorrow's visual artists, designers and educators. New methodologies and technologies merge with classical art forms to produce a hybrid, contemporary artist. The curriculum is multi-dimensional. The foundation is highly techno-centric. Students are introduced to a variety of concepts, techniques, and media and are encouraged to push boundaries and take risks.

Troy's studio art and design instructors are practicing professionals. Their objective is to instruct and mentor students into becoming viable artists, designers, and educators. The art and design programs at Troy University are committed to meeting the growing visual demands in this age of multi-sensory information exchange. Within the curriculum there are degree options for students interested in traditional or electronic arts, graphic design, or art education.

Hall School of Journalism

The Hall School of Journalism was founded in 1972 and has become a regional and national leader among journalism schools. Areas of study include print and broadcast journalism, public relations, advertising, media performance and sports information.

The school's philosophy is to provide students with the best possible classroom instruction and practical experience. For more information and complete descriptions of the contract programs in public relations, sports information and advertising, contact the School of Journalism or visit <http://jschool.troy.edu>.

John M. Long School of Music

The John M. Long School of Music at Troy University has a long and distinguished record of training music educators for schools throughout the Southeastern United States. Central to the academic offerings of the J.M. Long School of Music are the curricula in instrumental and vocal/choral music education. The school also offers a non-teaching, general music option with stud-

ies in various aspects of the music industry.

Expert and up-to-date instruction is offered in all areas, with strong support from modern technology, along with many traditional individual and ensemble performance opportunities. Troy is an accredited institutional member of the National Association of Schools of Music.

Department of Speech and Theatre

For more than 24 centuries, the communication arts have been the foundation of education, indeed culture, in Western civilization. From the dialogs of Plato and Aristotle's Rhetoric, the plays of Sophocles, and the orations of Demosthenes and Cicero, to the homiletics of St. Augustine, the rhetoric of Boethius, the plays of Shakespeare, the Lincoln-Douglas debates, and the rhetorical theories of Kenneth Burke and the theatrical theories of Stanislavski, the communication arts have been celebrated and practiced in myriad ways for more than two millennia. That "celebration" and its rhetorical and theatrical practices continue in the Communication Arts program of the Department of Speech and Theatre.

<<dti.troy>> DESIGN, TECHNOLOGY AND INNOVATION PROGRAM (36 HOURS)

ART 1145	(3)	Foundations of Form and Space
ART 1150	(3)	Foundations of Time and Space
ART 2210	(3)	e-Drawing
or		
ART 2201	(3)	Introductory Drawing
ART 2230	(3)	Color and Technology
ART 3308	(3)	<<dti.troy>> Principles of Digital Design
ART 3310	(3)	<<dti.troy>> Time/Sound
ART 3315	(3)	<<dti.troy>> Design for the Internet
ART 3324	(3)	<<dti.troy>> Paper/Screen
ART 4424	(3)	<<dti.troy>> Design Studio*
ART 4499	(3)	Senior Thesis

Select six hours from the following history courses:

ART 2250	(3)	Survey of Art History I
ART 2251	(3)	Survey of Art History II
ART 3355	(3)	Graphic Design History

Interdisciplinary contract offerings for <<dti.troy>> program (24 Hours)

Select a Contractual Plan of Study from one of the following areas:

- Information Systems,
- Marketing,
- Business Administration,
- Advertising Writing,
- Literature/Writing,
- Journalism,
- Mass Communications,
- Speech/Theatre,
- Photography, and
- Edu-tainment**

**This specialized concentration involves the designing of educational and entertainment software interfaces. This contractual plan of study requires a one-semester residency at Halmstad University, Sweden. For more information about contracts and options available, contact the Department of Art and Design.

ART EDUCATION MAJOR

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. Students will need to select six hours of upper level courses from two of these concentrations (for a total of twelve hours): 2D Studio, 3D Studio, and Photo Studio or Digital Studio.

ART MAJOR (36 HOURS)

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)	e-Drawing
ART 2250	(3)	Survey of Art History I
ART 2251	(3)	Survey of Art History II
ART 3301	(3)	Life Drawing*

*Course may be repeated for credit.

Concentration (18 Hours):

Select twelve hours of courses from one of these concentration areas: 2D Studio, 3D Studio, or Photo Studio.

Select an additional six hours of art electives.

ART MINOR (18 HOURS)

Select 18 hours from art and art history courses.

**BACHELOR OF FINE ARTS STUDIO PROGRAM
(72 HOURS)**

(Comprehensive, professional studio arts major)

Note: Students seeking unconditional acceptance into the BFA Studio Program must submit a portfolio for review by the department faculty.

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)	e-Drawing
ART 2230	(3)	Color and Technology
ART 2250	(3)	Survey of Art History I
ART 2251	(3)	Survey of Art History II
ART 3301	(3)	Life Drawing*
ART 3350	(3)	Research and Criticism
ART 3355	(3)	Graphic Design History
ART 3375	(3)	Special Topics*
ART 4435	(3/9)	Collaborative Studio*

(must be repeated two times)

ART 4496	(3)	Internship*
ART 4499	(3)	Senior Thesis

Art Studio Program students must select one of these four concentration options: 2D Studio, 3D Studio, Photo Studio, or Digital Studio.

2D Studio Concentration (12 Hours)

ART 2202	(3)	2D Studio I
ART 2206	(3)	2D Studio II
ART 3330	(3)	2D Studio III
ART 4430	(3)	2D Studio IV

Select an additional 15 hours of art electives.

3D Studio Concentration (12 Hours)

ART 2204	(3)	3D Studio I
ART 2205	(3)	3D Studio II
ART 3331	(3)	3D Studio III
ART 4431	(3)	3D Studio IV

Select an additional 15 hours of art electives.

Photo Studio Concentration (12 Hours)

ART 2228	(3)	Photo Studio I
ART 3328	(3)	Photo Studio II
ART 3348	(3)	Photo Studio III
ART 4428	(3)	Photo Studio IV

Select an additional 15 hours of art electives.

Digital Studio Concentration (12 Hours)

ART 3308	(3)	<<dti.troy>> Principles of Digital Design
ART 3324	(3)	<<dti.troy>> Paper/Screen
ART 3310	(3)	<<dti.troy>> Time/Sound
ART 4424	(3)	<<dti.troy>> Design Studio*

Select an additional 15 hours of art electives.

*Course may be repeated for credit.

BROADCAST JOURNALISM MAJOR (36 HOURS)

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

Specialized general studies requirements

Area V

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

Requirements for the major

JRN 1103	(3)	Introduction to Radio and TV
JRN 2201	(3)	Reporting
JRN 2203	(3)	Broadcast News Writing
JRN 3320	(3)	Information Gathering
JRN 3365	(3)	TV Studio Techniques and Producing
JRN 4425	(3)	Media Law
JRN 4440	(3)	Advanced Technologies in Journal-

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

Select one:

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

Select six hours from the following:

JRN 4405	(3)	Radio Production Practicum
JRN 4410	(3)	Advanced Radio Practicum
JRN 4415	(3)	TV Production Practicum
JRN 4420	(3)	Advanced TV Practicum
JRN 4430	(3)	Processes and Effects

BROADCAST JOURNALISM MINOR (18 HOURS)

JRN 1110	(3)	Technologies in Journalism
JRN 1101	(3)	Intro. to Mass Communication
or		
JRN 1103	(3)	Introduction to Radio and Television
JRN 1102	(3)	Writing for Mass Media
JRN 2201	(3)	Reporting
JRN 2203	(3)	Broadcast News Writing
JRN 3365	(3)	TV Studio Techniques and Producing

COMMUNICATION ARTS MAJOR (36 HOURS)

Contact the Department of Speech and Theatre for information regarding the contract program in performance (speech/broadcast journalism.)

Tracks: Speech Communication and Theatre● **Speech Communication Track***Specialized general studies requirements for the speech communication track:**Area V:*

JRN 1100	(2)	Technologies in Journalism
JRN 1101	(3)	Introduction to Mass Communication
JRN 1102	(3)	Writing for Mass Media
JRN 2201	(3)	Reporting
JRN 2230	(3)	Introduction to Public Relations
TROY 1101	(1)	University Orientation

Requirements for the track:

DRA 3301	(2)	Acting I
DRA 3310	(1)	Communication Arts Seminar
SPH 2214	(1)	Debate-Forensics Participation
SPH 2251	(2)	Voice and Diction
SPH 3321	(3)	Communication Theory
SPH 3330	(3)	Interviewing
SPH 3341	(3)	American Public Address
SPH 3342	(3)	Argumentation and Debate
SPH 3345	(3)	Group Discussion and Leadership
SPH 4431	(3)	Interpersonal Communication

SPH 4441	(2)	Oral Interpretation
SPH 4442	(3)	Rhetoric
SPH 4455	(2)	Senior Speech Capstone

Select five hours from approved courses from dramatic arts (DRA), English (ENG), journalism (JRN) and/or speech communication (SPH).

● **Theatre Track***Specialized general studies requirements for the dramatic arts track:**Area II*

DRA 2200	(2)	Introduction to Drama
ENG 2205	(3)	World Literature I
ENG 2206	(3)	World Literature II
SPH 2241	(3)	Fundamentals of Speech

Select one:

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

Area V

DRA 2221	(2)	Technical Theatre
DRA 2251	(2)	Voice and Diction
IS 2241	(3)	Computer Concepts and Apps.
JRN 2230	(3)	Introduction to Public Relations
TROY 1101	(1)	University Orientation

Required Courses (21 hours)

DRA 2245	(1)	Stagecraft Lab (repeated for a total of four hours)
DRA 3301	(2)	Acting I
DRA 3303	(1)	Makeup Techniques
DRA 3345	(1)	Advanced Stagecraft Lab*
DRA 4443	(3)	Theatre History I
DRA 4444	(3)	Theatre History II
DRA 4451	(3)	Directing I
DRA 4455	(2)	Senior Theatre Capstone
SPH 4441	(2)	Oral Interpretation

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 of Speech and Theatre. Those students should register for DRA 2245 and provide syllabi of 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 4400	(3)	Playwrighting
ENG 4404	(3)	Shakespeare
JRN 1102	(3)	Writing for Mass Media

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 3302	(2)	Costume Techniques
DRA 3304	(2)	Lighting Techniques
DRA 3315	(1)	Audition and Portfolio Techniques
DRA 3316	(2)	Acting II
DRA 3321	(3)	Scene Design
DRA 3331	(3)	Costume Design
DRA 3344	(3)	Lighting Design
DRA 3350	(2)	Script Analysis
DRA 3352	(2)	Sound Techniques
DRA 3354	(2)	Rendering Techniques for the Theatre
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.

DRAMATIC ARTS MINOR (18 HOURS)

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

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.

Select an additional 12-15 hours of free electives.

*Course may be repeated for credit.

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)	<<dti.troy>> Principles of Digital Design

Select two courses from the following:

ART 3310	(3)	<<dti.troy>> Time/Sound
ART 3315	(3)	<<dti.troy>> Design for the Internet
ART 3324	(3)	<<dti.troy>> Paper/Screen
ART 4424	(3)	<<dti.troy>> Design Studio

JOURNALISM, PRINT MAJOR (36 HOURS)

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

Specialized general studies requirements

Area V

JRN 1100	(3)	Technology in Journalism
JRN 1101	(3)	Introduction to Mass Comm.
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
JRN 3320	(3)	Information Gathering
JRN 4425	(3)	Media Law
JRN 4440	(3)	Advanced Technologies in Journalism
JRN 4489	(5)	Internship
JRN 4495	(1)	Seminar

Select an additional nine hours from the following:

JRN 3300	(3)	News Photography
JRN 3302	(3)	Feature and Magazine Writing
JRN 3322	(3)	Advertising Copywriting
JRN 4401	(3)	Community Media Management
JRN 4421	(3)	Editorial Page
JRN 4427	(3)	Sports Reporting
JRN 4430	(3)	Processes and Effects of Mass Communication

NOTE: Journalism majors must demonstrate a proficiency in the use of a camera of the degree of complexity common in newspaper use. Print journalism students who do not have this proficiency should include ART 2228 and JRN 3300 in their journalism electives.

JOURNALISM, PRINT MINOR (18 HOURS)

JRN 1100	(3)	Technologies in Journalism
JRN 1101	(3)	Intro. to Mass Communication
JRN 1102	(3)	Writing for Mass Media
JRN 2201	(3)	Reporting
JRN 2211	(3)	Beginning Editing

Select three hours of journalism electives.

MUSIC, B.A./B.S. DEGREE (62-65 HOURS)

Specialized general studies requirements

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

Area II

Select the following course in lieu of MUS 1131:

MUS 3301	(2)	Music History I
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Area V

Select the following course in lieu of IS 2241:

MUS 3305	(3)	Music Technologies
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Music core courses (36 hours)

MUS 1102	(3)	Theory I
MUS 1103	(3)	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)	Theory III
MUS 2203	(3)	Theory IV
MUS 2207	(1)	Aural Skills III
MUS 22xx/44xx	(6)	Private Instruction
MUS 3302	(2)	Music History
MUS 3303	(2)	Music History
MUS 3306	(3)	Conducting
MUS 4461	(2)	Orchestration and Arranging

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

MUS 1181	(1)	Band
or		
MUS 1183	(1)	Collegiate Singers

● **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
		<i>Repeat twice for three credits</i>
MUS 2214	(1)	Private Piano
or		
MUS 2216	(1)	Private Voice
MUS 3351	(1)	Class Brass
MUS 3352	(1)	Class Wood Winds
MUS 3353	(1)	Class Percussion
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:

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

● **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:

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 Track**

Select 26 hours from the following with the approval of the adviser:

MUI 3310	(3)	Audio Principles and Techniques
MUI 3315	(2)	Song Writing
MUI 3320	(2)	Grant Writing and Funding for the Musical Arts
MUI 4410	(2)	Arts Management and Concert Production
MUI 4420	(2)	Film Scoring
MUI 4460	(3)	Senior Practicum
MUI 4480	(1)	Seminar in Music Industry
MUI 4499	(9)	Internship
MUS 2230	(3)	Survey Music Industry
MUS 3300	(2)	History of Jazz
MUS 3305	(3)	Music Technologies
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)	Theory I
MUS 1103	(3)	Theory II
MUS 1107	(1)	Aural Skills I
MUS 1108	(1)	Aural Skills II

Select three hours from Private Instruction 1110-1128.

Select seven hours from the following courses:

MUS 1105	(1)	Class Piano I
MUS 1106	(1)	Class Piano II
MUS 2202	(3)	Theory III
MUS 2203	(3)	Theory IV

MUS 2207	(1)	Aural Skills III
MUS 3301	(2)	Music History I
MUS 3302	(2)	Music History II
MUS 3303	(2)	Music History III
MUS 3306	(3)	Conducting

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

SPEECH COMMUNICATION MINOR (18 HOURS)

Select 18 hours of adviser-approved speech courses. SPH 2241 or 2243 may not be counted toward the minor.

COLLEGE OF EDUCATION

The mission of the College of Education is to prepare educators, counselors, administrators, and other professionals to be life-long, innovative, informed, reflective decision makers effectively trained to achieve the goals, competencies, and skills identified by the accrediting and professional organizations for each program.

Non-certification programs in psychology are offered through the College of Education at Dothan, Montgomery, Phenix City, Troy, and various University College locations. Offerings include a comprehensive 54-semester-hour program, a 36-semester-hour major, and a 18-semester-hour minor.

The Teacher Education Unit is comprised of all certification programs in the College of Education. All certification programs

are approved by the Alabama State Board of Education. Certification programs are offered at the Dothan, Phenix City, and Troy campuses.

Only certification programs offered at the Dothan, Phenix City and Troy campuses are accredited by the National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Ave., NW, Suite 500, Washington, D.C. 20036; phone (202) 466-7496. This accreditation covers initial teacher preparation programs and advanced educator preparation programs. NCATE 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 professional school personnel.

UNDERGRADUATE EDUCATION PROGRAM AVAILABILITY

	Dothan	Montgomery.	Phenix City	Troy	University College*
Non-certification Programs					
Psychology					
• Comprehensive Program (54 hours)				X	
• Major (36 hours)	X	X	X	X	X
• Minor (18 hours)	X	X	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	
Secondary Education (Grades 6-12)					
• Biology	X			X	
• Chemistry	X			X	
• History	X			X	
• English/Language Arts	X			X	
• General Science	X			X	
• Mathematics	X			X	
• Social Science	X			X	
Interdisciplinary Education (Grades P-12)					
• Art				X	
• Health and Physical Education				X	
• Music, Instrumental				X	
• Music, Vocal				X	
• Physical Education				X	

*consult University College site

NON-CERTIFICATION PROGRAMS

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.

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. General Psychology is a prerequisite for all psychology courses. See the general studies section of this bulletin for additional general studies information.

Required Courses

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

Select 27 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)	Introduction 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 nine 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 4400	(3)	Advanced General Psychology
PSY 4401	(3)	Psychological Tests and 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)**

(Available only at Troy campus)

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 bulletin 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

Select at least six hours from the following:

PSY 3310	(3)	Sensation and Perception
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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.

CERTIFICATION PROGRAMS

Conceptual Framework

The ultimate goal of the College of Education Teacher Education Unit at Troy University is the effective initial and continuing preparation of candidates, teachers, and other school personnel. The conceptual framework evolved from research-based models (e.g. Carnegie Commission on Higher Education, 1973, Colton and Sparks-Langer, 1993) and is aligned with nationally accepted standards.

The unit's commitment lies in training educators whose formal preparation meets federal and state requirements and responds to the expectations and needs of the communities served.

The conceptual framework reflects the commitment to produce innovative, informed, and reflective decision makers. The unit is committed to proven fundamentals and continuous review of practice and research. Effective teachers must demonstrate exceptional abilities and skills in their knowledge, their pedagogy, and their dispositions.

Teacher Certification

All teacher education certification programs are approved by the Alabama State Department of Education. Students seeking teacher certification should refer to the specific program for eligibility and program completion requirements. 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 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 which applies to certification; and
- Successful completion of the Praxis II examination in all areas of initial certification.

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. 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.

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 teaching in field and levels of the awarded certificate;
2. they receive less than the required minimum score of 18 on The Alabama Professional Education Personnel Evaluation Program (PEPE); and
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: professional studies, teaching field(s), and portfolio. The format and requirements of the examination may vary according to the major.

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. A minimum of 12 semester hours in the professional studies area and a minimum of 12 semester hours in the teaching field must be earned at the campus supervising the required internship in order for a student to be eligible for a recommendation for teacher certification.

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, 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. Prior to admission to TEP, elementary, early childhood, and collaborative teacher candidates must complete six of the 12 hours of required mathematics. The following courses must be completed with a grade of C or better: MTH 1110 and MTH 1112 or higher. The remaining six semester hours must be completed with a grade of C or better prior to internship: MTH 2251; MTH 2252.
2. A minimum grade point average (GPA) of 2.75 on all coursework attempted. Students who fail to meet the required GPA may repeat courses. When courses are repeated, both grades are used in calculating the overall GPA, the professional studies GPA, and the major field GPA.
3. An initial score on the Alabama Prospective Teacher Test. (Music students must also receive a passing score on the Basic Music Skills Test.)
4. Successful completion of a formal speech and interview.
5. Completion of a minimum of 12 clock hours of classroom observation/participation. School experiences must be completed at both the elementary and secondary levels regardless of major.
6. Successful completion of an impromptu essay.

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. 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 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 undergraduate 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. Three 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.
9. Evidence of current First Aid and CPR certifications.
10. Successful completion of all three sections of the Alabama Prospective Teacher Test (APTT): Applied Mathematics, Reading for Information, and Writing.
11. Successful completion of the Praxis II examination in each discipline.
12. Successful completion of the preliminary components of the professional portfolio and the exit examinations in professional studies and the teaching field(s).
13. Approval of the Director of the Teacher Education Program and the department chair.
14. Evidence of current professional liability coverage.
15. 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.*

EARLY CHILDHOOD EDUCATION (P-3) (123 HOURS)

Specialized General Studies Requirements

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

Area II

ART 1133	(2)	Visual Arts
ENG 2205	(3)	World Literature I
ENG 2206	(3)	World Literature II
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

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

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 bulletin for additional information.

Area II

ART 1133 (2) Visual Arts
 ENG 2205 (3) World Literature I
 ENG 2206 (3) World Literature II
 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

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

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 4481 (3) Language and Literacy I
 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
 HPR 3361 (3) Integrating Health & PE into the Curriculum
 MUS 3361 (3) Integrating Music into the Curriculum
 RED 3380 (3) Children's Literature
 RED 4482 (3) Language & Literacy II: Grades 4-6
 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 bulletin for additional information.

Area II

ART 1133 (2) Visual Arts
 ENG 2205 (3) World Literature I
 ENG 2206 (3) World Literature II
 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

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

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 4481	(3)	Language and Literacy I
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)

ELE 3362	(3)	Teaching Mathematics in the K-6 Classroom
HPR 4462	(3)	Physical Education for Exceptional Children
RED 3380	(3)	Children's Literature
RED 4482	(3)	Language and Literacy II
RED 4483	(3)	Language and Literacy III
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)	Polices and Procedures in Special Education
SPE 4460	(3)	Professional Collaboration

SECONDARY EDUCATION (6-12)

Specialized General Studies Requirements

See the general studies section of this bulletin 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

EDU 3305	(3)	Microcomputers in Education
EDU 3310	(3)	The Professional Educator
EDU 4471	(3)	Curriculum and Instructional

PSY 3303	(3)	Delivery
RED 4484	(3)	Educational Psychology
SED 3346	(3)	Language and Literacy IV
SED 4400	(3)	Educational Assessment
SED 4454	(3)	Classroom Management
SPE 3340	(3)	Internship Seminar for Secondary Education
_____ 4474	(9)	Diverse Learners
_____ 4481	(3)	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, MTH, SCI, 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
- History
- Mathematics
- Social Science

INTERDISCIPLINARY EDUCATION (P-12)

Specialized General Studies Requirements

See the general studies section of this bulletin 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

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, HPR or MUS)
_____ 4481	(3)	Methods and Materials for the _____ major (prefix: ART, HPR or MUS)

Select the appropriate classroom management course:

HPR 4465	(3)	Classroom Management for the HPR
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		Educator (HPR majors)
MUS 4403	(3)	Classroom Management for the Music Educator (MUS majors)
SED 4400	(3)	Classroom Management (ART majors)

Select the appropriate diverse learners course:

HPR 4462	(3)	Physical Education for Exceptional Children (HPR 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)	Microcomputers in Education (ART & HPR Majors)
MUS 3305	(3)	Music Technologies (MUS Majors)

Select the appropriate assessment course:

ART 3346	(3)	Educational Assessment in Fine Arts (ART Majors)
HPR 3391	(3)	Testing and Statistical Interpretation (HPR 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
- Health and Physical Education
- Music, Instrumental
- Music, Choral
- Physical Education

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 Department of Human Services, which includes rehabilitation and social work, the Department of Kinesiology and Health Promotion which includes health and physical education and sport and fitness management majors, and the Department of Athletic Training Education Program. The college is committed to meeting the challenges of the next decade; hence, it emphasizes quality teaching and values 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.

Athletic Training Education Program

The Mission of the undergraduate Athletic Training Education Program (ATEP) 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 ATEP at Troy University was obtained through Alabama Sports Medicine and in-kind gifts. Athletic Training is currently recognized as a major leading to the Bachelor of Science Degree within the College of Health and Human Services. The ATEP was accredited by the Commission on Accreditation of Allied Health Program (CAAHEP) in April of 1998 and re-accredited by the Commission on Accreditation of Allied Health Program in April 2004.

Bachelor of Science in Athletic Training

The Bachelor of Science in Athletic Training consists of two components: (1) the Pre-Athletic Training Education Program Major and (2) the Athletic Training Education Major (first, second and third year). All students must complete the course of study for the Pre-Athletic Training Education Program major and the Athletic Training Education Program major as described in the University Bulletin. The Pre-Athletic Training Education Program must be completed and approved by the ATEP Director before a student is eligible for admission to the Athletic Training Education Program. All students must make formal application to the Pre-Athletic Training Education Program and meet all admission requirements. Completion of the Pre-Athletic Training Program does not guarantee acceptance into the Athletic Training Education Program. Consult with the Program Director of Athletic Training Education Program.

Department of Human Services and Rehabilitation/Department of Social Work

Human Services Major

The major in human services requires 36 hours in the major area, an 18-hour minor in a selected area, and 66 hours in general studies and electives, for a total of 120 credit hours. The purpose of the human services program is twofold: (1) to prepare the graduate for entry level positions in a myriad of human services delivery systems where specialized training is not required, and (2) to prepare students for graduate education. The curriculum is designed to provide the student with an understanding of human behavior within the context of the social environment, an understanding of social and human service delivery systems, and basic

skills in effective communication with client systems and basic skills in the development of intervention strategies to resolve interpersonal and social problems. A three-credit, 120-clock-hour field practicum is required.

Rehabilitation Major

The major in rehabilitation requires 54 hours in rehabilitation core and professional courses, supported by 48 hours in general studies and 18 hours in pre-professional coursework for a total of 120 credit hours. The baccalaureate rehabilitation program is listed on the Registry of Undergraduate Programs by the Council on Rehabilitation Education. The purpose of the undergraduate rehabilitation program 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).

Social Work Major

The major in social work requires 54 hours in social work core and professional courses, supported by 48 hours in general studies and 18 hours in pre-professional coursework for a total of 120 credit hours. 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).

Human Services Minor

An 18-hour minor is offered to students who desire basic understanding of the human services delivery system.

Communication with the Hearing Impaired Minor

An 18-hour minor is offered to students who desire to acquire introductory skills in American Sign Language. Signing skills are useful for personal growth, to expand one's communication ability beyond verbal and auditory boundaries, and to extend the educated person's effectiveness in both social and professional contexts.

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 over 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 purpose of the Physical Education (P-12) and Comprehensive Health (6-12) and Physical Education (P-12) degree programs is to provide a comprehensive teacher education program and teacher certification in either health and physical education, or physical education. The 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.

The Sport and Fitness Management Program at Troy University is committed to providing students with the highest quality educational experiences so that they will be prepared to meet the many demands and challenges of sport and fitness management in the 21st century. The purpose of the Sport and Fitness Management degree program is to provide students seeking an interdisciplinary approach to the fields of sport/exercise, marketing, and management with business, management, and administrative skills from a sport/fitness perspective. Within Sport and Fitness Management students will choose to concentrate in sport management, recreation management, exercise performance, health promotion, or athletics. The program prepares the student for careers in managerial positions in the above-listed professional areas.

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 programs are accredited by the National League for Nursing Accrediting Commission (61 Broadway 33rd Floor, New York, NY 10006, phone 800-669-1656, ext. 153) and approved by the Alabama Board of Nursing. Traditional and mobility options are offered at the associate (ASN), baccalaureate (BSN) and master's (MSN) levels.

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. Licensed practical nurses may receive advanced placement in the ASN Program. 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 on admission to the Clinical Nurse Specialist, Family Nurse Practitioner, or Nursing Informatics Specialist tracks in the MSN Program, consult the Graduate Bulletin. 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 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. Please note the special fees for nursing students in the tuition and expenses section of this bulletin.

ATHLETIC TRAINING EDUCATION PROGRAM MAJOR (129 HOUR TOTAL, 89 HOURS OF ATEP COURSES)

Specialized General Studies Requirements

This degree has special general studies requirements. Students should see the ATEP program adviser along with this Bulletin.

Admission to the ATEP Major, Application and Selection Process and Requirements:

Requirements for admission to the Athletic Training Education Program major:

1. Student applicants must be enrolled at Troy University one year prior to application into the Athletic Training Education Program major.
2. Student applicants must have and maintain an overall GPA of 3.0 in all major athletic training core courses.
3. All student applicants applying for the Athletic Training Education Program major must have completed AT 1101, BIO 1100, L100, MTH 1112, CHM 1142 and L142 with a GPA of 3.0 or better.
4. All applications, along with three letters of recommendation, must be submitted to the Program Director of Athletic Training Education no later than the first week of August prior to the first year enrolled in the program.
5. Student applicants must have completed a minimum of 40 hours of observation documented in the Troy University Athletic Training Room prior to being considered for admissions into the Athletic Education Training Program major.
6. All students must meet with the Athletic Training Education Program Board of Admissions prior to being admitted into the Athletic Training Education Program major.
7. All transfer student applicants must meet with the Program Director of Athletic Training Education and have completed the equivalent to BIO 1100, L100, MTH 1112, CHM 1142, L142, and AT 1101 with a GPA of 3.0 prior to admission into the Athletic Training Education Program major.
8. Transfer students must meet these requirements, submit an application, three letters of recommendation, observe 40 hours in the Troy University Training Room, and meet with the Athletic Training Education Program Board of Admissions no later than the first week of August prior to the first year of enrollment in the Athletic Training Education Program major.

Progression in the Athletic Training Education Program:

1. Students are accepted into the Athletic Training Education Program major in the fall semester (first year).
2. Admission to the Athletic Training Education Program major is selective. Enrollment is limited due to the availability of resources.
3. Students are required to maintain 3.0 overall GPA and a 3.0 GPA in all Athletic Training Education major core courses.
4. All students must maintain current CPRO certification, professional liability insurance and proof of annual physical examination when enrolled in Athletic Training Education major clinical courses. Professional liability insurance must be purchased through Department of

Athletic Training Education. Students are responsible for their own medical care if needed in the clinical education settings. Achievement tests are required at various points in the clinical education experiences. Students must abide by the Centers for Disease Control and OSHA guidelines. Students must present titers reports for Hepatitis B, measles, mumps, rubella and varicella zoster.

5. Because of the costs of the Athletic Training Education Program major, students are responsible for essential items of personal equipment, uniforms, Hepatitis B Vaccine Series, a titer review, liability insurance cost, and travel.
6. Each student accepted into the Athletic Training Education Program major must submit a letter stating that he/she accepts the invitation and responsibility connected with the Athletic Training Education Program.

Academic Probation Policy

Students must meet the following minimum standards for scholarships:

- maintain a cumulative grade point average of 3.0 on all work attempted
- maintain a cumulative grade point average of 3.0 on all work attempted in the major field (core curriculum)
- earn a grade no lower than C in all major courses

Probation

Once the student's cumulative GPA has fallen below 3.0 in the major core curriculum, the ATEP Director will place this student on academic probation. Access to clinical experiences will be denied. As a result of lack of clinical access, the student will be required to choose one of two options: (1) sit out the academic sequence for one academic year or (2) leave the ATEP. If the student does not improve his/her cumulative GPA to a 3.0 in the major core curriculum during the probationary period, he/she will be released from the ATEP.

Athletic Training Education Program Technical Standards for Admissions.

The Athletic Training Educational 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 Educational 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 Allied Health Education Programs [CAAHEP]). The following abilities and expectations must be met by all students admitted to the Athletic Training Educational 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 NATABOC certification exam.

Candidates for selection to the Athletic Training Educational 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 Education 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.

Athletic Training Education Program Educational Goals and Objectives

- A. To prepare the student to become competent in the various domains of athletic training education such as prevention, recognition, evaluation and assessment, immediate care, treatment rehabilitation and reconditioning, organization and administration, and professional development and responsibility
- B. To provide the student with a quality and diverse athletic training clinical experience
- C. To prepare the student with the knowledge and skills necessary to provide optimal athletic care in an allied health setting
- D. To provide the student with optimal skills and education necessary to become a competent and reliable certified athletic trainer
- E. To prepare the student with the necessary skills to network, obtain employment, or further pursue his/her education goals

Course Requirements

The ATEP requires the completion of a minimum of 89 hours of courses in the athletic training major. 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
AT 2202	(1)	Clinical Experiences in Athletic Training
AT 3301	(1)	Clinical Experiences in Athletic Training
AT 3302	(1)	Clinical Experiences in Athletic Training
AT 3360	(2)	Principles of Drug Therapy for Athletic Trainers
AT 3395	(3)	Care and Prevention of Athletic Injuries and Illnesses
AT L395	(1)	Care and Prevention of Athletic Injuries and Illnesses Clinical Experiences
AT 3396	(3)	Evaluation of Athletic Injuries and Illnesses I
AT L396	(1)	Evaluation of Athletic Injuries and Illnesses I Clinical Experiences
AT 3397	(3)	Evaluation of Athletic Injuries and Illnesses II
AT L397	(1)	Evaluation of Athletic Injuries and Illnesses II Clinical Experiences
AT 4401	(2)	Clinical Experiences in Athletic Training
AT 4402	(12)	Athletic Training Field Experience
AT 4447	(2)	Therapeutic Modalities
AT 4448	(2)	Therapeutic Exercises
BIO 3347	(3)	Anatomy and Physiology I
BIO 3348	(3)	Anatomy and Physiology II
BIO L347	(1)	Anatomy and Physiology I Lab
BIO L348	(1)	Anatomy and Physiology II Lab
CHM 1142	(3)	General Chemistry I
CHM L142	(1)	General Chemistry I Lab
HPR 2202	(2)	First Aid and Safety and CPRO
HPR 2240	(2)	Personal Health
HPR 3352	(3)	Kinesiology
HPR 3391	(3)	Testing and Statistical Interpretation
HPR 4443	(3)	Administration of Sport, Recreation and Athletic Training
HPR 4474	(4)	Exercise Physiology
NSG 1105	(1)	Medical Terminology
NSG 2211	(3)	Basic Nutrition
NSG 3309	(2)	Health Assessment
NSG 3310	(1)	Health Assessment Practicum
NSG 3315	(3)	Pathophysiology
PHI 2204	(3)	Ethics
PHY 2252	(3)	General Physics I
PHY L252	(1)	General Physics I Lab
PSY 2205	(3)	Psychology of Adjustment
PSY 4402	(3)	Principles of Counseling

COMMUNICATION WITH THE HEARING IMPAIRED MINOR (18 HOURS)

HS 3370	(3)	Professional Communication Skills
HS 3390	(3)	Introduction to Manual Communication
HS 3391	(3)	Intermediate Manual Communication

HS 3392	(3)	Advanced Manual Communication
HS 3393	(3)	Orientation to the Hearing Impaired
RHB 3345	(3)	Foundations of Rehabilitation

DANCE MINOR (15-18 HOURS)

DRA 4443	(3)	Theatre History I
HPR 2252	(2)	Methods of Teaching Dance
HPR 4451	(3)	Sport Facilities Management
HPR 4489	(3)	Practicum in Dance Production and Performance

Select 4-7 hours from the following course (Consult your adviser):

HPR 1130	(1)	Social Contemporary Dance
HPR 1131	(1)	Folk Dance I
HPR 1132	(1)	Modern Dance Techniques I
HPR 1133	(1)	Square Dance
HPR 1134	(1)	Ballroom Dance
HPR 1135	(1)	Ballet I
HPR 1136	(1)	Jazz Techniques I
HPR 1137	(1)	Tap Dance
HPR 1138	(1)	Clog Dance
HPR 1139	(1)	Aerobic Dance I
HPR 1144	(1)	Step Aerobics
HPR 1145	(1)	Slide Aerobics
HPR 2230	(1)	Rhythmic Activities Special Populations
HPR 2231	(1)	Folk Dance II
HPR 2232	(1)	Modern Dance Techniques II
HPR 2235	(1)	Ballet II
HPR 2236	(1)	Jazz Techniques II
HPR 2238	(1)	Clog Dance II
HPR 2239	(1)	Aerobic Dance II
HPR 3332	(1)	Modern Dance III
HPR 4437	(1)	Creative Drama and Dance

HEALTH AND PHYSICAL EDUCATION COMPREHENSIVE PROGRAM (132 HOURS)

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

Specialized general studies requirements

Area III

BIO 1100	(3)	Principles of Biology I
BIO L100	(1)	Principles of Biology Lab
CHM 1142	(3)	General Chemistry I, or placement
CHM L142	(1)	General Chemistry I Lab, or placement
MTH 1112	(3)	Pre-Calculus Algebra, or placement

Area V

HPR 2201	(1)	Camping and Outdoor Recreation
HPR 2202	(2)	First Aid and Safety and CPRO
HPR 2240	(2)	Personal Health
HPR 2251	(2)	Foundations of Physical Education/SFM
HPR 3360	(3)	Physiological Principles of Body Systems
IS 2241	(3)	Computer Concepts and Apps.
NSG 2211	(3)	Basic Nutrition

TROY 1101 (1) University Orientation

Select 2 hours of physical activity courses.

Requirements for the major

- HPR 2252 (2) Teaching Dance
- HPR 3330 (2) Physical Skills Proficiency I
- HPR 3331 (2) Physical Skills Proficiency II
- HPR 3352 (3) Kinesiology
- HPR 3361 (3) Integrating HPER into the Curriculum
- HPR 3395 (2) Care and Prevention of Athletic Injuries
- HPR 4410 (2) Motor Development
- HPR 4420 (3) Community Health
- HPR 4421 (3) Human Sexuality
- HPR 4422 (3) Substance Abuse Education
- HPR 4427 (3) Health Behavior
- HPR 4442 (3) Health Education
- HPR 4474 (3) Exercise Physiology
- HPR L474 (1) Exercise Physiology Lab
- HPR 4485 (3) Teaching Individual and Team Sports
- HPR 4486 (3) Teaching Individual and Team Sports

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

HEALTH SCIENCE MINOR (15 - 18 HOURS)

This minor cannot be used with the Sport and Fitness Management Major

- HPR 2240 (2) Personal Health
- HPR 4420 (3) Community Health
- HPR 4427 (3) Health Behavior and Evaluation

Select one course:

- HPR 4421 (3) Human Sexuality and Sex Education
- HPR 4422 (3) Substance Abuse Education

Select 4-7 hours of adviser-approved health courses.

HUMAN SERVICES MAJOR (36 HOURS)

- HS 2230 (3) Survey of Human Services
- HS 3310 (3) Human Behavior in the Social Environment I
- HS 3370 (3) Professional Communication Skills
- HS 4400 (3) Human Services Field Experience
- RHB/SWK 3320 (3) Human Behavior in the Social Environment II
- SWK 3302 (3) Social Service Resources

Select 18 additional hours in HS, RHB, or SWK courses.

HUMAN SERVICES MINOR (18 HOURS)

- HS 2230 (3) Survey of Human Services
- HS 3310 (3) Human Behavior and the Social Environment I
- RHB/SWK 3320 (3) Human Behavior and the Social Environment II

HS 3370 (3) Professional Communication Skills

SWK 3302 (3) Social Service Resources

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

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

Available: Montgomery

Admission

For admission to the nursing program, the student must

1. file a completed application with the application fee;
2. submit completed Student Medical History Record form;
3. be a high school graduate or equivalent (GED) and submit official transcripts;
4. have official transcripts from all colleges attended submitted directly from the institution of attendance;
5. earn a required score of 40 on the National League for Nursing Pre-Admission Exam or ACT score of 19 or SAT equivalent (A bachelor's or higher degree from an accredited university will exempt a student from the pre-nursing test requirement);
6. have an overall GPA of at least 2.0 on 4.0 scale for all college work attempted (For additional information contact the office of Admission and Records at the School of Nursing, Montgomery campus.);
7. present evidence of current Alabama Licensed Practical Nurse licensure if the student is entering the LPN-ASN advanced placement track, as well as documentation showing one year of LPN work experience during the past three years unless graduation occurred within the past calendar year; and
8. be able to achieve certain core performance standards required by the duties of the nursing profession.

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

- a. Student must maintain an overall Troy University GPA of at least 2.0 on 4.0 scale while in the nursing program.
- b. Student must earn a grade of C or better in each required course.
- c. A student will be able to repeat a nursing course only one time to achieve a grade of C or better (only exception is NSG 2213).
- d. A grade of D or F in more than nine semester hours of nursing courses will result in automatic dismissal from the ASN Program.
- e. Student must make 85% or higher on a dosage and solutions calculation examination in NSG 1151 to progress in the program.
- f. Student must complete the program within four years from the date of enrollment in the first clinical nursing course.
- g. Out-of-sequence students must obtain approval of the Admission and Progression Committee to register for nursing courses. 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.

**ASSOCIATE DEGREE PROGRAM IN NURSING (70 Hours)
(ASN Degree)**

BIO 3347	(3)	Anatomy and Physiology I
BIO L347	(1)	Anatomy and Physiology I Lab
BIO 3348	(3)	Anatomy and Physiology II
BIO L348	(1)	Anatomy and Physiology II Lab
BIO 3372	(3)	General Microbiology
BIO L372	(1)	General Microbiology Lab
ENG 1101	(3)	Composition I
MTH 1112	(3)	Pre-Calculus Algebra
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
PSY 2200	(3)	General Psychology
PSY 3300	(3)	Developmental Psychology
TROY 1101	(1)	University Orientation

Select three hours of electives in fine arts, humanities, or social sciences.

Licensed Practical Nurses (LPNs) may qualify for advanced placement through validation of prior knowledge. For information contact the Admission Office, ASN Program, Montgomery, AL. (334-834-2320)

NURSING, BACHELOR OF SCIENCE (BSN) (121 HOURS)

Available: Troy, Montgomery, Phenix City, University College

Admission

For admission to the BSN program, students must

1. have an overall GPA of at least 2.5 on 4.0 scale.
2. file written application with the School of Nursing. Consult academic adviser or director of the BSN program. Deadlines for receipt of BSN applications are

April 15 for fall semester and October 15 for spring semester. Registered Nurse students enrolling in the RN-BSN/MSN track should contact the BSN Program Director for admission times.

3. have successfully completed general studies courses. A grade of C or above is required in many of these courses. For additional information, contact the office of the BSN Program Director.
4. have a current, unencumbered RN license in state of clinical practice if student is entering the RN-BSN/MSN course sequence.
5. be able to achieve certain core performance standards required by the duties of the nursing profession (i.e., must have the use of two arms to perform CPR and position clients; be able to see numbers on the syringe; be able to hear emergency signals, etc.). Contact the BSN Program Director for more information.
6. If transferring from another school of nursing, submit a letter from the dean/department chair of that school stating that the student was eligible for continuation in the school. Students transferring credit 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 complete an accredited associate degree program and are registered nurses.

Progression

- a. Students are required to have an overall GPA of 2.5 on a 4.0 scale for enrollment in the Clinical Nursing Sequence.
- b. Students are required to make a grade of C or better in each nursing course.
- c. Students may repeat only one 3300-4400 level nursing course; therefore, a second D or F in any 3300-4400 level nursing course will result in automatic dismissal from the program.
- d. Students who are planning to apply, or have applied but have not yet begun, the BSN Clinical Nursing Sequence may repeat only one 3300-4400 level nursing course; thereafter, a D or F in a 3300-4400 level nursing course will automatically disqualify the student from entering the BSN Clinical Nursing Sequence.
- e. Students who drop or fail a theory or clinical course with a co-requisite component must drop the co-requisite course.
- f. Satisfactory performance on an exit exam is required for graduation. (Note: Exit exam is not required for students in the RN-BSN/MSN track.)

Additional policies related to the BSN program may be found on the School of Nursing web site. 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 program of studies is based on the general studies requirements of Troy University. The clinical facilities used for student learning experiences in the 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. Classes and clinical labs may also be offered at sites in Montgomery and Phenix City, Alabama.

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

BACCALAUREATE PROGRAM IN NURSING (124 Hours)
(B.S. in Nursing Degree)

Specialized general studies requirements

Area III

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

A minimum grade of C is required in mathematics.

MTH 1112	(3)	Pre-Calculus Algebra
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Pre-Professional, Major, and Elective Courses

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
IS 2241	(3)	Computer Concepts and Apps.
NSG 1101	(1)	Health Concepts
NSG 1105	(1)	Medical Terminology
NSG 1150	(1)	First Responder
NSG 1160	(1)	Introduction to Technology in Nursing Education
NSG 2201	(1)	Dosage Calculations
NSG 2204	(2)	Nutrition
NSG 2204	(2)	Nutrition
NSG 2205	(3)	Human Growth and Development
NSG 2211	(3)	Human Nutrition
NSG 2220	(3)	Health Science Informatics
NSG 2240	(3)	Spanish for Healthcare
NSG 2285	(2)	Perspectives of Aging
NSG 3301	(2)	Pharmacology
NSG 3302	(1)	Essentials of Operating Room (OR) Nursing
NSG 3303	(1)	Essentials of Operating Room (OR) Nursing Practicum
NSG 3306	(2)	Perspectives of Professional Nursing
NSG 3309	(2)	Health Assessment
NSG 3310	(1)	Health Assessment Practicum
NSG 3313	(3)	Nursing Concepts I
NSG 3314	(3)	Nursing Concepts I Practicum
NSG 3315	(3)	Pathophysiology
NSG 3323	(3)	Maternal-Infant Health Nursing
NSG 3324	(2)	Maternal-Infant Health Nursing Practicum
NSG 3325	(3)	Nursing Concepts II
NSG 3326	(3)	Nursing Concepts II Practicum
NSG 3332	(3)	Child Health Nursing
NSG 3333	(2)	Child Health Nursing Practicum
NSG 3334	(3)	Psychiatric-Mental Health Nursing
NSG 3335	(2)	Psychiatric-Mental Health Nursing Practicum

NSG 3336	(3)	Adult Health Nursing
NSG 3337	(2)	Adult Health Nursing Practicum
NSG 3340	(3)	Ethics in Nursing
NSG 3350	(2)	Case Management in Health Care
NSG 3370	(2)	Professional Nursing
NSG 4405	(3)	Public Health Nursing
NSG 4406	(2)	Public Health Nursing Practicum
NSG 4407	(1)	Clinical Nutrition
NSG 4413	(3)	Nursing Concepts III
NSG 4414	(2)	Nursing Concepts III Practicum
NSG 4415	(2)	Nursing Leadership/Management
NSG 4417	(1)	Senior Seminar
NSG 4419	(2)	Research Process in Nursing
NSG 4421	(3)	Senior Clinical Preceptorship
NSG 4430	(3)	Advanced Nursing Theory
NSG 4431	(2)	Advanced Nursing Preceptorship
PSY 2209	(3)	Statistics I
TROY 1101	(1)	University Orientation
Elective	(1)	

PHYSICAL EDUCATION MAJOR (23 HOURS)

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

(P-12)

Specialized general studies requirements

Area III

BIO 1100	(3)	Principles of Biology I
BIO L100	(1)	Principles of Biology Lab
CHM 1142	(3)	General Chemistry I, or placement
CHM L142	(1)	General Chemistry I Lab, or placement
MTH 1112	(3)	Pre-Calculus Algebra, or placement

Area V

HPR 2201	(1)	Camping and Outdoor Recreation
HPR 2202	(2)	First Aid and Safety and CPRO
HPR 2240	(2)	Personal Health
HPR 2251	(2)	Foundations of Physical Education/SFM
HPR 3360	(3)	Physiological Principles of Body Systems
IS 2241	(3)	Computer Concepts and Apps.
NSG 2211	(3)	Basic Nutrition
TROY 1101	(1)	University Orientation

Select 2 hours of physical activity courses.

Major requirements

HPR 2252	(2)	Methods of Teaching Dance
HPR 3330	(2)	Physical Skills Proficiency
HPR 3331	(2)	Physical Skills Proficiency II
HPR 3352	(3)	Kinesiology and Efficiency of Human Movement
HPR 3361	(3)	Integrating HPER into the Curriculum
HPR 3395	(2)	Care and Prevention of Athletic Injury/Illness
HPR 4410	(2)	Motor Development
HPR 4474	(3)	Exercise Physiology
HPR L474	(1)	Exercise Physiology Lab

HPR 4485	(3)	Teaching Individual and Team Sports II
HPR 4486	(3)	Teaching Individual and Team Sports III

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

RECREATION MINOR (16-18 HOURS)

*The minor cannot be used with the sport and fitness management major.

HPR 2202	(2)	First Aid and Safety and CPRO
HPR 3340	(3)	Principles of Recreation
HPR 4443	(3)	Sport Administration

Select 9-11 hours from the following courses:

HPR 2201	(1)	Camping and Outdoor Education
HPR 2252	(2)	Methods of Teaching Dance
HPR 4400	(3)	Sports Officiating and Programs in Intramurals
HPR 4440	(3)	Governing Agencies in Sport
HPR 4451	(3)	Sport Finance and Business
HPR 4455	(3)	Facility Management

REHABILITATION AND SOCIAL WORK PROGRAMS (120 HOURS EACH)

Specialized General Studies Requirements

Students will complete the general studies requirements as outlined in the general studies section of this Bulletin with the following exception. In the history, social, and behavioral sciences block, rehabilitation and social work students must choose the two social/behavioral science electives from ANT 2200, ECO 2251, POL 2241, PSY 2200, and SOC 2275.

Pre-professional requirement:

PSY 3304	(3)	Abnormal Behavior
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Students will take the history series (HIS 1101 and 1102 or HIS 1111 and 1112) 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.

Departmental Core for Rehabilitation and Social Work Majors (29 Hours):

HS 2230	(3)	Survey of Human Services
HS 3310	(3)	Human Behavior in the Social Environment I
HS 3370	(3)	Professional Communications
RHB/SWK #####	(3)	Program Elective
RHB/SWK 2280	(3)	Rehabilitation/Social Work Research I
RHB/SWK 2281	(3)	Rehabilitation/Social Work Research II
RHB/SWK 3320	(3)	Human Behavior in the Social Environment II
RHB/SWK 3340	(3)	Social Policy and Planning
RHB/SWK 4450	(2)	Senior Seminar
SWK 3302	(3)	Social Service Resources

Rehabilitation professional program (25 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 4400	(1)	Rehabilitation Pre-practicum
RHB 4410	(12)	Rehabilitation Field Practicum

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 and Families
SWK 4471	(3)	Social Work with Groups
SWK 4472	(3)	Social Work with Organizations and Communities
SWK 4480	(1)	Social Work Pre-practicum
SWK 4481	(12)	Social Work Practicum

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, SPH 2241 or 2243, HS 2230, HS 3370, and SWK 2250, 2280 and HS 3310 (or be currently enrolled) with a grade of C or better. Procedures for applying for admission to the professional social work curriculum are outlined in the student manual which may be obtained from the Department of Social Work.

Progression:

- 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.

SPORT AND FITNESS MANAGEMENT PROGRAM (120 HOURS)

(For B.S. degrees with choice of concentration in health promotion, exercise performance, recreation, sport management, or athletics)

This degree requires 64 hours of general studies courses, 28 hours of core courses and either (1) 14-16 hours of courses from

one area of concentration and one 15-18 hour minor, or (2) 28 hours of courses from two areas of concentration.

All sport and fitness management majors must present proof of professional liability insurance in order to enroll in HPR 4490. Professional liability insurance may be purchased through the College of Health and Human Services. Professional liability insurance must be maintained in force through the completion of the internship.

Specialized General Studies Requirements

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

Area II

ENG 2205	(3)	World Literature I, or placement in ENG 2207
ENG 2206	(3)	World Literature II, or placement in ENG 2208
ART 1133	(2)	Visual Arts, or placement in ART 1134
MUS 1131	(2)	Music Appreciation, or placement in MUS 1132
SPH 2241	(3)	Fundamentals of Speech, or placement in SPH 2243

Area III

BIO 1100	(3)	Principles of Biology I
BIO L100	(1)	Principles of Biology Lab
CHM 1142	(3)	General Chemistry I, or placement
CHM L142	(1)	General Chemistry I Lab, or placement
MTH 1112	(3)	Pre-Calculus Algebra, or placement

Area V

HPR 2200	(1)	Health Concepts
HPR 2202	(2)	First Aid and Safety and CPRO
HPR 2240	(2)	Personal Health
HPR 2251	(2)	Foundations of Physical Education/SFM
HPR 3360	(3)	Physiological Principles of Body Systems
IS 2241	(3)	Computer Concepts and Apps.
NSG 2211	(3)	Basic Nutrition
TROY 1101	(1)	University Orientation

Select three hours of HPR physical education activity courses.

Select three hours of HPR electives as approved by the adviser.

HPR Core Courses (28 Hours)

HPR 3352	(3)	Kinesiology and Efficiency of Human Movement
HPR 3391	(3)	Testing and Statistical Interpretation
HPR 3350	(3)	Psychology of Wellness and Performance
HPR 3355	(2)	Introduction to Sport and Fitness Management
HPR 4420	(3)	Community Health
HPR 4430	(3)	Sport and Fitness Marketing
HPR 4453	(3)	Legal Aspects in Sport and Fitness Management
HPR 4474	(3)	Exercise Physiology
HPR L474	(1)	Exercise Physiology Lab
HPR 4490	(4)	Internship in Area of Concentration

Select (1) one of the following concentrations and one minor or

(2) two of the following concentrations. Consult your adviser.

Health Promotion Concentration (14 Hours)

HPR 2250	(1)	Foundations of Health Science
HPR 4421	(3)	Human Sexuality and Sex Education
HPR 4422	(3)	Substance Abuse Education
HPR 4427	(3)	Health Behavior and Evaluation

Select four hours from courses approved by your adviser.

Exercise Performance Concentration (16 Hours)

HPR 4475	(3)	Exercise Testing and Prescription
HPR 4476	(2)	Laboratory Practicum in Exercise Physiology
HPR 4487	(2)	Special Topics in Exercise Performance
HPR 4488	(3)	Cardiac Rehabilitation
HPR 4499	(1)	Senior Seminar

Select five hours from courses approved by your adviser.

Athletic Concentration (14 Hours)

HPR 3395	(2)	Care and Prevention of Athletic Injuries
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Select 10 hours from Theory and Technique of Coaching Courses

HPR 4470	(2)	Theory and Technique of Coaching Softball
HPR 4477	(2)	Theory and Technique of Coaching Football
HPR 4478	(2)	Theory and Technique of Coaching Soccer
HPR 4479	(2)	Theory and Technique of Coaching Volleyball
HPR 4480	(2)	Theory and Technique of Coaching Track and Field Activities
HPR 4482	(2)	Theory and Technique of Coaching Basketball
HPR 4483	(2)	Theory and Technique of Coaching Baseball

Select two hours from courses approved by your adviser.

Recreation Concentration (14 Hours)

HPR 2201	(1)	Camping and Outdoor Education
HPR 3340	(3)	Principles of Recreation
HPR 4400	(3)	Sports Officiating and Programs in Intramurals
HPR 2252	(2)	Methods of Teaching Dance
HPR 4455	(2)	Facility Management

Select three hours from courses approved by your adviser.

Sport Management Concentration (15 Hours)

HPR 4435	(3)	Current Issues in Sport Management
HPR 4440	(3)	Governing Agencies in Sport
HPR 4443	(3)	Sport Administration
HPR 4451	(3)	Sport Finance and Business
HPR 4455	(3)	Facility Management

COURSE DESCRIPTIONS

ACCOUNTING COURSES (ACT)

- 2291 Principles of Accounting I (3)**
Modern financial accounting theory and practices applied to sole proprietorships, partnerships, and corporations.
- 2292 Principles of Accounting II (3)**
Modern financial and managerial accounting theory and practices applied to an organization's liabilities, cash flows, planning, budgeting, and control. *Prerequisite: ACT 2291.*
- 3391 Intermediate Accounting I (3)**
Theory and applications of assets, liabilities, and owners' equity, revenues, expenses, and analytical process. *Prerequisite: ACT 2292.*
- 3392 Intermediate Accounting II (3)**
Theory and applications of assets, liabilities, and owners' equity, pensions, leases, earnings per share, and analytical process. *Prerequisite: ACT 3391.*
- 3394 Governmental Accounting (3)**
Municipal and governmental accounting; preparation and use of budgets, records, and statements. *Prerequisite: ACT 2292.*
- 3395 Managerial/Cost Accounting I (3)**
Manufacturing and distribution cost accounting, material, labor and overhead costs in job order and process cost accounting. These courses must be taken in sequence. *Prerequisite: ACT 2292.*
- 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. *Prerequisite: ACT 2292.*
- 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. *Prerequisite: ACT 3392.*
- 4491 Advanced Accounting (3)**
Theory and applications of accounting for business combinations, branches and segments, partnerships, and foreign currency transactions and translations. *Prerequisite: ACT 3392.*
- 4494 Income Tax Accounting I (3)**
Principals and dictates of individual capital and taxation of individual income. *Prerequisite: ACT 2292.*

- 4495 Income Tax Accounting II (3)**
Tax Laws and regulations for partnership, corporations, estates and fiduciaries. *Prerequisite: ACT 4494.*
- 4496 Managerial/Cost Accounting II (3)**
Manufacturing and distribution cost accounting, material, labor and overhead costs in job order and process cost accounting. These courses must be taken in sequence. *Prerequisite: ACT 3395.*
- 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. *Prerequisite: ACT 3392.*
- 4498 Advanced Auditing (3)**
Auditing theory and procedures as applied to transaction cycles, revenue cycles, expenditure cycles, and cash balances. This course covers EDP auditing as well as internal, operational, and governmental auditing. *Prerequisite: ACT 4497.*

AEROSPACE COURSES (AS)

- 3312 Air Force Leadership Studies I (3)**
A study of leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and communication skills required of an Air Force junior 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.
- L312 Leadership Laboratory I (1)**
Leadership laboratory is mandatory for AFROTC cadets and it complements this course by providing cadets with advanced leadership experiences in officer-type activities thus giving students the opportunity to apply leadership and management principles of this course.
- 3313 Air Force Leadership Studies II (3)**
A study of leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and communication skills required of an Air Force junior 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.
- L313 Leadership Laboratory II (1)**
Leadership laboratory is mandatory for AFROTC cadets and it complements this course by providing cadets with advanced leadership experiences in officer-type activities thus giving students the opportunity to apply leadership and management principles of this course.

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

A course that examines 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.

L412 Leadership Laboratory I (1)

Leadership laboratory is mandatory for AFROTC cadets and it complements this course by providing cadets with advanced leadership experiences, giving students the opportunity to apply the leadership and management principles of this course.

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

A course that examines 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.

L413 Leadership Laboratory II (1)

Leadership laboratory is mandatory for AFROTC cadets, and it complements this course by providing cadets with advanced leadership experiences, giving students the opportunity to apply the leadership and management principles of this course.

ANTHROPOLOGY COURSES (ANT)

2200 Anthropology (3)

An examination of human, physical and cultural development using evidence from archaeology, paleontology, genetics, ecology, cultural anthropology and linguistics with emphasis on the historical, structural and symbolic aspects of human culture. *This course is prerequisite for all 3300 and 4400 level courses in anthropology. This course does not count toward the 36-hour major.*

3305 Introduction to Archaeology (3)

An examination of the methods and theory of traditional and contemporary approaches to archaeological research.

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.

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.

3312 Field Techniques in Archaeology (3)

Instruction in survey and excavation methods and techniques used in the discipline of archaeology.

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.

3320 Prehistory of North American Indians (3)

An examination of the aboriginal cultures of North America prior to the period of European contact based upon archaeological evidence.

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.

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.

3340 Language in Culture and Society (3-3)

A sociological and anthropological examination of language from a descriptive, historical and social perspective.

3360 Magic, Witchcraft and Religion (3)

An anthropological examination of the role of religion and the supernatural among traditional peoples.

3370 Native American Religions (3)

An introduction to Native American religions. Focused on basic concepts of Native religions, the course familiarizes students with various aspects of religion and world views drastically different from their own. Special attention is paid to religious movements among Native groups which resulted from contact with Europeans and Africans.

4400 Southeastern Archaeology (3)

An in-depth study of the history of archaeology in the southeastern United States and the prehistoric and early historic cultures that inhabited the region for the last 12,000 years.

4401 Native American Cultures of the Southwestern U.S. (3)

An anthropological examination of the prehistory and early history of the southwestern U. S. native cultures. Includes classroom lecture and on-site observation.

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.

- 4411 High Civilizations of the New World (3)**
An anthropological examination of the sociocultural 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.
- 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.
- 4491-4492 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 chairperson 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.*
- 4493-4494 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 chairperson 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.*
- 1145 Foundations of Form and Space (3-3)**
Introduction to the principles, elements, and concepts of two-dimensional space.
- 1150 Foundations of Time and Space (3-3)**
Introduction to the principles, elements, and concepts of three- and four-dimensional space.
- 2201 Introductory Drawing (3-3)**
Introduction to drawing with emphasis on traditional rendering materials and techniques.
- 2202 2D Studio I (3-3)**
Fundamental concepts in printmaking. Basic techniques in producing black and white multiples in relief, intaglio, serigraphy and lithography. *Prerequisites: ART 1145, ART 2201 or ART 2210, and ART 2230.*
- 2204 3D Studio I (3-3)**
Fundamental concepts in pottery and ceramics. Basic techniques in production and free form ceramics to include introduction to hand-building, wheel throwing, and glazing/firing techniques. *Prerequisites: ART 1145, ART 2201 or ART 2210, and ART 2230.*
- 2205 3D Studio II (3-3)**
Fundamental concepts in sculpture. Emphasis on traditional subtractive and additive techniques in a variety of media. *Prerequisites: ART 1145, ART 2201 or ART 2210, and ART 2230.*
- 2206 2D Studio II (3-3)**
Fundamental concepts in painting. Basic techniques in application using transparent and opaque painting media. *Prerequisites: ART 1145, ART 2201 or ART 2210, and ART 2230.*
- 2210 e-Drawing (3-3)**
Introduction to drawing with emphasis on developing rendering skills applied to digital technology.
- 2228 Photo Studio I (3-3)**
Introduction to the fundamentals of black and white dark-room photography.
- 2230 Color and Technology (3-3)**
Introduction to the principles and science of color and color applications in both colorant and digital environments.

ART AND DESIGN COURSES (ART)

- 1133 Visual Arts (2-2)**
Visual arts and their relationship to human needs and aspirations. *NOTE: Credit for this course may not be applied toward any program in art.*
- 1134 Honors Visual Arts (2-2)**
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.*
- 2250 Survey of Art History I (3-3)**
Survey of the history of art from antiquity through the Gothic period.
- 2251 Survey of Art History II (3-3)**
Survey of the history of art from Renaissance through Realism.
- 3301 Life Drawing (3-3)**
Drawing the human form with emphasis on rendering mood and expression while learning skeletal and muscular structure. *Prerequisite: ART 2201 or ART 2210.*

- 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.
- 3308 <<dti.troy>> Principles of Digital Design (3-3)**
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, and ART 2230.*
- 3310 <<dti.troy>> Time/Sound (3-3)**
Exploration of graphic design applied to multimedia. Students will learn to produce presentations using type, imagery, and audio-visuals. *Prerequisite: ART 3308.*
- 3315 <<dti.troy>> Design for the Internet (3-3)**
Formal and practical aspects of graphic design as applied to web development, Internet communication, marketing, and advertising. *Prerequisite: ART 3308.*
- 3320 Ancient and Medieval Art (3-3)**
Classical antiquity through the Gothic period.
- 3321 Renaissance and Baroque (3-3)**
Northern and Southern Renaissance through the Baroque period.
- 3322 18th and 19th Century Art (3-3)**
Classical, Realism, Romanticism, and Impressionism.
- 3323 20th Century Art (3-3)**
Post-Impressionism to the present.
- 3324 <<dti.troy>> Paper/Screen (3-3)**
Exploration of desktop web-based publishing. Production of content, research, imagery, and development of paper and web-based publications. *Prerequisite: ART 3308 or permission of department chairman.*
- 3328 Photo Studio II (3-3)**
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.*
- 3330 2D Studio III (3-3)**
Advanced concepts in two-dimensional media. Studio/seminar focusing on specific painting, printmaking, drawing, and mixed media techniques. *Prerequisites: ART 2202 and ART 2206.*
- 3331 3D Studio III (3-3)**
Advanced concepts in three-dimensional media. Studio/seminar focusing on specific additive and subtractive techniques in a variety of media. *Prerequisites: ART 2204 and ART 2205.*
- 3346 Educational Assessment in Fine Arts (3-3)**
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.*
- 3348 Photo Studio III (3-3)**
Exploration of lighting, backgrounds, color harmony, composition, and other aspects of studio photography. Film and digital means utilized for capturing images. *Prerequisite: ART 3328*
- 3350 Research and Criticism (3-3)**
Exploration of modern and postmodern art in the 20th century with emphasis on research, analysis, and writing about issues, artists, art forms, and movements in art.
- 3355 Graphic Design History (3-3)**
Survey of the history of graphic design from prehistoric visual communications to contemporary global issues.
- 3361 Integrating Art into the Curriculum (3-3)**
Critical and experiential investigation of approaches for integrating visual art into the elementary curriculum. *Prerequisite: EDU 3300 and PSY 3300.*
- 3375 Special Topics in Art/Design (3-3)**
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.
- 3380 Travel Study in Art/Photography (3-3)**
Supervised investigation of photography and other art media through travel abroad or within the interior of United States. May be repeated for credit.
- 4424 <<dti.troy>> Design Studio (3-3)**
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. *Prerequisite: ART 3324 or permission from the department chairman.*
- 4428 Photo Studio IV (3-3)**
Advanced projects in photography. Collaboration with clients, designers, writers and others in the development of photographic solutions. *Prerequisite: ART 2228.*
- 4430 2D Studio IV (3-3)**
Content and issues in two-dimensional media. Studio/seminar experiences focusing on the development of personal artistic expression. *Prerequisite: ART 3330.*
- 4431 3D Studio IV (3-3)**
Content and issues in three-dimensional media. Studio/seminar experiences focusing on the development of personal artistic expression. *Prerequisite: ART 3331.*

ATHLETIC TRAINING EDUCATION COURSES (AT)

- 4435 Collaborative Studio (3-3)**
An integrative art studio experience joining students from each concentration area. Thematic, supervised exploration of a chosen medium. *Prerequisite: Must have completed the third level of an art studio concentration.*
- 4472 Internship in Art Education (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP; Co-requisite: IED 4454 Internship Seminar for Interdisciplinary Education.*
- 4481 Methods and Materials for the Art Teacher (3-3)**
Teaching methods, selection, organization, and use of art materials. *Prerequisite: ART 3361 and admission to TEP.*
- 4491 Guided Independent Research (1 to 3 credits per course per semester)**
Additional information is indexed under Guided Independent Research and Study.
- 4492 Guided Independent Research (1 to 3 credits per course per semester)**
Additional information is indexed under Guided Independent Research and Study.
- 4493 Guided Independent Study (1 to 3 credits per course per semester)**
Additional information is indexed under Guided Independent Research and Study.
- 4494 Guided Independent Study (1 to 3 credits per course per semester)**
Additional information is indexed under Guided Independent Research and Study.
- 4496 Internship (3-6)**
Experiential learning in the context of an art- or design-related profession. Must be approved by the department chairman and cooperating host organization or business. May be repeated for credit.
- 4499 Senior Thesis (3-3)**
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. This course should be taken during the semester of graduation.
- 1101 Orientation to Athletic Training Education (1-1)**
Acquaints the Pre-Athletic Training Education student with the six cognitive domains of athletic training education and the athletic training education competencies.
- 2201 Clinical Experiences in Athletic Training (1-3)**
Acquaints the entry-level athletic training student with athletic training educational competencies in the clinical proficiencies in Athletic Emergency Plan (EAP), CPRO, basic life support techniques, use of crutches and canes, use of immobilizing devices, universal precautions, OSHA guidelines, wound care, vital signs and the knowledge of hospital and clinical settings. Clinical hours will not exceed 10 hours per week. *Prerequisite: Acceptance into ATEP (first-year status).*
- 2202 Clinical Experiences in Athletic Training (1-3)**
Acquaints the entry-level athletic training student with athletic training educational competencies and clinical proficiencies in anthropometric measurement, appropriate examinations, screening procedures, environmental conditions, record keeping, prevention and protective taping and bracing, and the standard operations and procedures of an athletic training room. Clinical hours will not exceed 10 hours per week. *Prerequisites: AT 3395, L395, AT 3396, L396, AT 2201 (first-year status).*
- 3301 Clinical Experiences in Athletic Training (1-3)**
Acquaints the entry-level athletic training student with athletic training education competencies in the clinical proficiencies as they relate to the use of therapeutic modalities. Clinical hours will not exceed 10 hours per week. *Co-requisite: AT 4447 (second-year status).*
- 3302 Clinical Experiences in Athletic Training (1-3)**
Acquaints the entry-level athletic training student with athletic training education competencies in the clinical proficiencies as they relate to the use of therapeutic exercise. Clinical hours will not exceed 10 hours per week. *Prerequisites: AT 4447, 3301. Co-requisite: AT 4448 (second-year status).*
- 3360 Principles of Drug Therapy for Athletic Trainers (2-2)**
Acquaints the entry-level athletic training student with the therapeutic medications and the governing regulations most often used in the treatment of injuries and illnesses of athletes and the physically active population. *Prerequisites: CHM 1142, L142, BIO 3347, L347, BIO 3348, L348; senior status.*
- 3395 Care and Prevention of Athletic Injuries and illnesses I (3-3)**
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 (first-year status).*

- L395 Care and Prevention of Athletic Injuries and Illnesses I Clinical Experiences (1-1)**
Acquaints the entry-level athletic training student with athletic training educational competencies in the clinical proficiencies, risk management, injury prevention, assessment and evaluation, psychosocial intervention and referral, and health care administration. *Prerequisite: Acceptance into ATEP (first-year status).*
- 3396 Evaluation of Athletic Injuries and Illnesses I (3-3)**
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 (first-year status).*
- L396 Evaluation of Athletic Injuries and Illnesses I Clinical Experiences (1-1)**
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 (first-year status).*
- 3397 Evaluation of Athletic Injuries and Illnesses II (3-3)**
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 (first-year status).*
- L397 Evaluation of Athletic Injuries and Illnesses II Clinical Experiences (1-1)**
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 (first-year status).*
- 4447 Therapeutic Modalities (2-2)**
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 (second-year status).*
- 4448 Therapeutic Exercises (2-2)**
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 (second-year status).*
- 4401 Clinical Experiences in Athletic Training (2-3)**
Acquaints the entry-level athletic training student with athletic training educational competencies in the clinical proficiencies as they relate to pharmaceutical products, poison control services, administration of bronchodilators and epinephrine, and recognition of the signs, symptoms and predisposing conditions associated with general medical diseases and conditions. Clinical hours will not exceed 20 hours per week. *Co-requisite: AT 3349 (third-year status).*

4402 Athletic Training Field Experience (12-12)

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.*

BIOLOGY COURSES (BIO)

- 1100 Principles of Biology (3)**
Biological principles including chemistry of life, cell structure and function, bioenergetics, cell reproduction, heredity, and ecology. Credit for this course cannot be applied toward any curriculum in biology. *Co-requisite: BIO L100.*
- L100 Principles of Biology Lab (1-2)**
Measurements, microscopy, ecology, cell structure, bioenergetics, cell reproduction, and heredity. *Co-requisite: BIO 1100.*
- 1101 Organismal Biology (3)**
Biological concepts and life processes of protists, fungi, plants, and animals. *Prerequisites: BIO 1100, L100. Co-requisite: BIO L101.*
- 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.*
- 1110 Survey of the Human Body (3)**
Biological principles related to the role of humans in an ecosystem, with emphasis on the structure and function of the human body. Credit for this course cannot be applied toward any curriculum in biology. *Co-requisite: BIO L110.*
- L110 Survey of the Human Body Lab (1-2)**
Human physiology and the role that humans play in the biosphere. Credit for this course cannot be applied toward any curriculum in biology. *Co-requisite: BIO 1110.*
- 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.*
- 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.*
- 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.

- 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 and CHM 1143, L143. *Co-requisite:* BIO L229.
- L229 General Ecology Lab (1-3)**
Introduction to the terminology, procedures and equipment for sampling biotic and abiotic components of ecosystems, the functional and dynamic features of ecosystems, and biotic interactions. *Prerequisites:* BIO 1101, L101 and CHM 1143, L143. *Co-requisite:* BIO 2229.
- 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.
- L307 Invertebrate Zoology Lab (1-3)**
Anatomy, classification, and life histories of invertebrates. *Prerequisites:* BIO 1101, L101. *Co-requisite:* BIO 3307.
- 3308 Vertebrate Zoology (3)**
Taxonomy, structure, life histories, behavior, and distribution of vertebrates. *Prerequisites:* BIO 1101, L101. *Co-requisite:* BIO L308.
- L308 Vertebrate Zoology Lab (1-3)**
Taxonomy, structure, life histories, and behavior of vertebrates. *Prerequisites:* BIO 1101, L101. *Co-requisite:* BIO 3308.
- 3320 Genetics (3)**
Principles of heredity, from basic Mendelian concepts through molecular genetics. *Prerequisites:* BIO 1101, L101, 2229, L229, CHM 1143, L143, MTH 1112 or equivalent and MTH 2210 or equivalent, or permission of chair. *Co-requisite:* BIO L320.
- L320 Genetics Lab (1-3)**
Basic laboratory techniques in genetics, including the genetics of common laboratory organisms. *Prerequisites:* BIO 1101, L101, 2229, L229, CHM 1143, L143, MTH 1112 or equivalent and MTH 2210 or equivalent, or permission of chair. *Co-requisite:* BIO 3320.
- 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.
- 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.
- 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.
- 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.
- 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 or BIO 1110, L110 and CHM 1142, L142 or CHM 1115, L115. *Co-requisite:* BIO L347.
- 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 or BIO 1110, L110 and CHM 1142, L142 or CHM 1115, L115. *Co-requisite:* BIO 3347.
- 3348 Human Anatomy and Physiology II (3)**
The endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems of humans. *Prerequisites:* BIO 3347, L347. *Co-requisite:* BIO L348.
- L348 Human Anatomy and Physiology II Lab (1-3)**
The endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems of humans. *Prerequisites:* BIO 3347, L347. *Co-requisite:* BIO 3348.
- 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 or 1110, L110 and CHM 1142, L142 or 1115, L115. *Co-requisite:* BIO L372.
- L372 Microbiology Lab (1-3)**
Fundamentals of microscopy, sterile techniques, staining procedures, isolation techniques, identification of unknowns, and biochemical tests. *Prerequisites:* BIO 1100, L100 or 1110, L110 and CHM 1142, L142 or 1115, L115. *Co-requisite:* BIO 3372.
- 3382 Immunology (3)**
The cellular and humoral system involved in the host response and immunity of organisms to foreign substances. Mechanisms of humoral immunity, cellular immunity, and hypersensitivities. *Prerequisites:* BIO 3372, L372, CHM 3342, L342. *Co-requisite:* BIO L382.

- 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.*
- 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.*
- 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.*
- 4402 Spring Flora (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 1101, L101, 2229, L229.*
- 4405 Entomology (3)**
Orders of insects with the emphasis on morphology, taxonomy, and life cycles. *Prerequisites: BIO 1101, L101. Co-requisite: BIO L405.*
- L405 Entomology Lab (1-3)**
Morphology, classification, and identification of insects. A collection is required. *Prerequisites: BIO 1101, L101. Co-requisite: BIO 4405.*
- 4410 Animal Behavior (3)**
Classical and current concepts of animal behavior including individual and social behavioral patterns. *Prerequisites: BIO 3320, L320. Co-requisite: BIO L410.*
- L410 Animal Behavior Lab (1-3)**
Experimental and observational techniques in behavior. *Prerequisites: BIO 3320, L320. Co-requisite: BIO 4410.*
- 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.*
- 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.*
- 4414 Food Microbiology (3)**
Food spoilage, food preservation, food-borne pathogens, microbial metabolism, and molecular techniques. *Prerequisites: BIO 3372, L372, CHM 3342, L342. Co-requisite: BIO L414.*
- L414 Food Microbiology Lab (1-3)**
Advanced microbiological laboratory techniques including enumeration and analysis of bacteria in food, water, and dairy products. *Prerequisites: BIO 3372, L372, CHM 3342, L342. Co-requisite: BIO 4414.*
- 4416 Environmental Microbiology (3)**
The taxonomy, diversity, and ecology of microbial populations in ecosystems, with the emphasis on the roles that 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.*
- L416 Environmental Microbiology Lab (1-3)**
Environmental microbiological laboratory techniques including isolation, identification, and enumeration of microorganisms from aquatic and terrestrial environments. *Prerequisites: BIO 3372, L372, CHM 3342, L342. Co-requisite: BIO 4416.*
- 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.*
- 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, 3320, L320, CHM 1143, L143, and MTH 2210. Co-requisite: BIO L421.*
- 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, 3320, L320, CHM 1143, L143, and MTH 2210. Co-requisite: BIO 4421.*
- 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 1101, L101, 2229, L229.*
- 4428 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 L428.*
- L428 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 4428.*

- 4430 Applied Genetics (3)**
Advanced studies in genetics with emphasis on cytogenetics and molecular genetics. *Prerequisites:* BIO 3320, L320, 3372, L372, CHM 3343, L343. *Co-requisite:* BIO L430.
- L430 Applied Genetics Lab (1-3)**
An introduction to procedures and equipment used in the study of cytogenetics and molecular genetics. *Prerequisites:* BIO 3320, L320, 3372, L372, CHM 3343, L343. *Co-requisite:* BIO 4430.
- 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.
- 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.
- 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.
- 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.
- 4445 Ichthyology (3)**
Morphology, anatomy, physiology, taxonomy, life histories, distribution, and adaptations of fishes. *Prerequisites:* BIO 1101, L101, 2229, L229. *Co-requisite:* BIO L445.
- 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.
- 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.
- L446 Herpetology Lab (1-3)**
Structural features, identification, and classification of amphibians and reptiles. *Prerequisites:* BIO 1101, L101, 2229, L229. *Co-requisite:* BIO 4446.
- 4447 Ornithology (3)**
Morphology, anatomy, physiology, taxonomy, life histories, distribution, and adaptations of birds. *Prerequisites:* BIO 1101, L101, 2229, L229. *Co-requisite:* BIO L447.
- L447 Ornithology Lab (1-3)**
Structural features, identification, and classification of birds. *Prerequisites:* BIO 1101, L101, 2229, L229. *Co-requisite:* BIO 4447.
- 4448 Mammalogy (3)**
Morphology, anatomy, physiology, taxonomy, life histories, distribution, and adaptations of mammals. *Prerequisites:* BIO 1101, L101, 2229, L229. *Co-requisite:* BIO L448.
- L448 Mammalogy Lab (1-3)**
Structural features, identification, and classification of mammals. *Prerequisites:* BIO 1101, L101, 2229, L229. *Co-requisite:* BIO 4448.
- 4451 Toxicology (3)**
Principles related to the adverse effects of chemicals on living organisms. *Prerequisites:* CHM 3342, L342. *Co-requisite:* BIO L451.
- L451 Toxicology Lab (1-3)**
Assessment of the toxicity of chemical agents following standard protocols. *Prerequisites:* CHM 3342, L342. *Co-requisite:* BIO 4451.
- 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.
- 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.
- 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.
- 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.
- 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.

- 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.*
- 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.*
- 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.*
- 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.*
- 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.*
- 4480 Histology (3)**
Microscopic anatomy and function of cell types and tissues of mammalian organs. *Prerequisites: BIO 1101, L101. Co-requisite: BIO L480.*
- L480 Histology Lab (1-3)**
Microscopic anatomy of cell types and tissues of mammalian organs. *Prerequisites: BIO 1101, L101. Co-requisite: BIO 4480.*
- 4481 Methods and Materials for the Secondary Teacher(4)**
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.
- 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.*
- 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.*
- 4488 Internship in Environmental Science (1 to 3 credit hours per BIO 4489 course per semester)**
BIO 4490 Supervised work experience in a governmental agency, business or industry, public service organization, or other working environment in which a student will apply knowledge of environmental science. *Prerequisites: Approval of the student's academic adviser and department chair.*
- 4491 Guided Independent Research (1 to 4 credit hours per BIO 4492 semester)**
Additional information is indexed under Guided Independent Research and Study.
- 4493 Guided Independent Study (1 to 4 credit hours per course per BIO 4494 semester)**
Additional information is indexed under Guided Independent Research and Study.

BUSINESS COURSES (BUS)

- 1101 Introduction to Business (3)**
Modern business communications including mechanics and content of letters and reports. *For business minors or non-business majors only. Prerequisite: ENG 1102 or 1104.*
- 4400-4404 Business Seminar (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. NOTE: No more than six hours of credit may be earned by seminar. *Prerequisite: Approval of instructor and dean of the Sorrell College of Business.*
- 4460 Business Consulting and Research (3)**
Small business research and problem-solving with related field experience. *Prerequisite: Permission of the instructor.*
- 4491-4492 Guided Independent Research (1 - 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.

4493-4494 Guided Independent Study (1 - 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.*

4499 Internship (1-3 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.*

CHEMISTRY COURSES (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.*

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.*

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.*

L142 General Chemistry I Laboratory (1 - 3)
Experiments dealing with the periodic table, atomic structure, the gas laws, and stoichiometry. *Co-requisite: CHM 1142.*

1143 General Chemistry II (3)
Acid-base theory, solutions, chemical equilibria, thermodynamics, kinetics, and electrochemistry. *Prerequisites: CHM 1142 and L142. Co-requisite: CHM L143.*

L143 General Chemistry II Laboratory (1 - 3)
Experiments in acid-base theory, solutions, chemical equilibria, thermodynamics, kinetics, and electrochemistry. *Co-requisite: CHM 1143.*

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 and L143. Co-requisite: CHM L242.*

L242 Analytical Chemistry Laboratory (1 - 3)
The practice of modern quantitative wet-chemical techniques in analytical chemistry. *Co-requisite: CHM 2242.*

3342 Organic Chemistry I (3)
An introduction to the chemistry of carbon compounds that develops the theoretical principles underlying organic materials. *Prerequisites: CHM 1143 and L143. Co-requisite: CHM L342.*

L342 Organic Chemistry I Laboratory (1 - 3)
Experimental techniques and skills for preparing, manipulating, and reacting organic molecules. *Co-requisite: CHM 3342.*

3343 Organic Chemistry II (3)
A continuation of CHM 3342 with emphasis on modern organic synthesis. *Prerequisites: CHM 3342 and L342. Co-requisite: CHM L343.*

L343 Organic Chemistry II Laboratory (1 - 3)
Experimental techniques and skills for preparing, manipulating, and reacting organic molecules. *Co-requisite: CHM 3343.*

3350 Principles of Physical Chemistry (3)
An introduction to the principles of chemical thermodynamics, reaction kinetics and chemical equilibrium. *Prerequisites: CHM 3343; PHY 2253 and PHY L253, or PHY 2263 and PHY L263. Co-requisite: CHM L350.*

L350 Principles of Physical Chemistry Laboratory (1 - 3)
Practical applications of thermochemistry, colligative properties, and reaction kinetics. *Co-requisite: CHM 3350.*

3357 Biochemistry I (3)
Physical and chemical properties of proteins, nucleic acids, fatty acids, and carbohydrates with emphasis on the relationship between chemical structure and biological function. *Prerequisite: CHM 3343. Co-requisite: CHM L357.*

L357 Biochemistry Laboratory (1 - 3)
Laboratory experiments emphasizing the biochemical techniques used in isolation and characterization of macromolecules. *Co-requisite: CHM 3357.*

3358 Biochemistry II (3)
Catabolism and anabolism of carbohydrates, fatty acids, and amino acids with emphasis on regulation and the major metabolic pathways, including glycolysis, citric acid cycle, electron transport, gluconeogenesis, and pentose phosphate. *Prerequisite: CHM 3357.*

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 L452.*

L381 Physical Chemistry I Laboratory (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.*

- 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.*
- L382 Physical Chemistry II Laboratory (1-3)**
A continuation of CHM L381 with an introduction to methods and techniques in computational chemistry and spectroscopy. *Co-requisite or prerequisite: CHM 3382.*
- 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 and CHM 3343.*
- 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 and L343.*
- 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 and 3381.*
- L444 Advanced Inorganic Laboratory (1)**
Preparation and characterization of inorganic compounds. Experience will be provided in techniques such as using a tube furnace and handling air-sensitive compounds with a glove bag and Schlenk line. *Co-requisite or prerequisite: CHM 4444.*
- 4445 Instrumental Analysis (3)**
The operating principles of modern analytical instrumentation for determining composition and concentration. *Prerequisites: CHM 2242, CHM 3343; PHY 2253 and L253 or PHY 2263 and L263. Co-requisite: CHM L445.*
- L445 Instrumental Analysis Laboratory (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.*
- 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.*
- 4481 Methods and Materials for the Secondary Teacher (4)**
A survey of teaching methods and materials appropriate for teaching in the content areas for grades 6-12. Topics addressed will include teacher evaluation in the public schools, collaboration with special education teachers, and lesson planning formats. In addition, teaching methods, selections organization and use of chemistry/science materials for grades 6-12 will be covered in detail. A professional laboratory experience is included in this course.
- 4491/2 Guided Independent Research (1 - 3 credit hours per course per semester)**
Additional information is listed under Independent Research and Study in the section on Academic Regulations.
- 4493/4 Guided Independent Study (1 - 3 credit hours per course per semester)**
Additional information is listed under Independent Research and Study in the section on Academic Regulations.
- 4499 Senior Seminar (1 - 3)**
Principles of preparing and presenting an oral presentation on a selected chemical topic in the current literature.

CLASSICS COURSES (CLA)

- 2260 Classical Mythology (3)**
Myths of the Greeks and Romans and their influence.
- 2290 Classical Literature in English Translation (3)**
- 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.
- 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.
- 3330 Classical Epic (3)**
Homer's *Iliad* and *Odyssey*, Virgil's *Aeneid*, and the epic tradition.
- 3350 Classical Drama (3)**
The ancient theatre and its influence with selected plays by Greek and Roman playwrights.
- 4400 Selected Topics in Classics (3)**
Selected topics in classical studies generally not covered in other courses. Note: May be repeated once for credit.

4491 Guided Independent Research (1 to 3 credit hours per course per semester)
Additional information is indexed under Guided Independent Research and Study.

4492 Guided Independent Research (1 to 3 credit hours per course per semester)
Additional information is indexed under Guided Independent Research and Study.

4493 Guided Independent Study (1 to 3 credit hours per course per semester)
Additional information is indexed under Guided Independent Research and Study.

4494 Guided Independent Study (1 to 3 credit hours per course per semester)
Additional information is indexed under Guided Independent Research and Study.

COMMUNICATION COURSE (COM)

1110 Effective Communication (3)
Practice in both oral and written communications. Focuses on improvement and development of present listening, speaking, reading and writing abilities and their applications in both academic and professional settings. *Prerequisite: placement.*

COMPUTER SCIENCE COURSES (CS)

2244 Computer Programming I (3)
An introduction to a programming language. Programming fundamentals include program structure, assignment, data types, repetition, input/output, flow of control, and functions. Program design development and testing is emphasized. *Prerequisite: MTH 1112.*

2260 Computer Programming II
A continuation of Computer Science I to include advanced programming techniques including application of arrays and advanced input/output. Students design, implement, and test a number of moderately large programs. *Prerequisites: CS 2244 and MTH 1125 or 2201.*

2261 Foundations of Computer Science Concepts (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. *Prerequisite: CS 2244.*

2262 Business Systems Programming (3)
The study and application of a business-oriented programming language. Students apply a structured, multi-phase program development process that features a series of steps involving understanding of problems, formal problem definition, design methodologies, program specification, breakdown, and files. Topics include file processing, data validation, table handling, calculations, input/output techniques, and report writing as practiced

in the application of computers to business data processing. *Prerequisite: CS 2260.*

2265 Advanced Programming 1 (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 2260.*

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 2260, MTH 2215.*

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: CS 3313, MTH 1126.*

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.*

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 2260 and MTH 2215.*

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 CS 3330.*

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 CS 3330.*

3339 Fundamentals of Object-Oriented Programming (3)
The conceptual framework for object-oriented programming and systems. Topics include classes, data hiding,

- modularity, inheritance, and reusable code. They are presented through the use of some object-oriented language. *Prerequisite: CS 3323.*
- 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 2260.*
- 3357 Logical Structures of Computer Design(3)**
Boolean algebra and design and minimization of combinatorial and sequential circuits. This course includes laboratories that demonstrate how simple circuits are designed and what problems may be encountered in design, such as hazards and race conditions. *Prerequisites: CS 2261, MTH 2215.*
- 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 3357.*
- 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..*
- 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 3370.*
- 4401 Special Topics in 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.*
- 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 CS 3330.*
- 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 4420.*
- 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 3325 or CS 3330.*
- 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 CS 3330.*
- 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. *Prerequisites: CS 4445 and CS 3323 or 3330.*
- 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 4445; CS 4448 recommended.*
- 4451 Computer Security and Reliability (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 4448 recommended.*
- 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 3323 or CS 3330.*
- 4462 Special Topics in Object-Oriented Programming (3)**
This course is a continuation of CS 3339. It presents the conceptual framework for the design of object-oriented

systems. Topics include re-factoring designs and design patterns, presented through the use of some object-oriented language. *Prerequisite: CS 3339.*

- 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.*

CRIMINAL JUSTICE COURSES (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.*
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 3367 History of Criminal Justice (3)**
Upon completion of the course the student must have demonstrated his/her knowledge of criminal justice systems from approximately 1700 B.C. to the present. With that knowledge and comprehension, the student should be able to analyze and apply lessons learned from that historical context to current situations in the United States Criminal Justice System.
- 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.*
- 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.*
- 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.
- 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.

- 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.
- 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.)
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

- 4470 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 September 11, 2001.
- 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.
- 4488-4489-4490 Internship in a Criminal Justice Agency (3)**
Experience in a selected criminal justice agency, working in groups or individually. Supervised application and observation of concepts, principles, skills, operation and functions of knowledge acquired by the student in previous or current course work and studies. Problems will be identified with attendant solutions in the areas of police work, the correctional agencies, or the court systems as appropriate to the student's program of study.
- 4491-4492 Guided Independent Research (1 to 3 credit hours per course per semester)**
Additional information is indexed under Guided Independent Research and Study.
- 4493-4494 Guided Independent Study (1 to 3 credit hours per course semester)**
Additional information is indexed under Guided Independent Research and Study.
- 4499 Senior Seminar in Criminal Justice (3-3)**
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.

DRAMATIC ARTS COURSES (DRA)

- 2200 Introduction to Drama (2-2)**
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.
- 2211 Theatre for Youth (1-3)**
The Ensemble performs well-known children's classics for Alabama elementary-age students and others. Ensemble member open by audition. The stress is on improvisation. May be repeated for credit.

- 2221 Technical Theatre (2-3)**
A study of standard technical practices and equipment for the theatre.
- 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.
- 3301 Acting I (2-3)**
A study of basic principles, terminology, and disciplines of the actor, including relaxation, concentration, movement, and characterization.
- 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.
- 3303 Makeup Techniques (1-2)**
A study of the theory and techniques of stage make-up. Includes makeup for theatre, film, and video.
- 3304 Lighting Techniques (2-3)**
A study of stage lighting equipment and lighting practices.
- 3310 Communication Arts Seminar (1-1)**
An introduction to the methods of designing, researching, and reporting the solutions to rhetorical and theatrical design/technology or acting/directing problems, development of public speaking/forensics presentations or critical analyses of language arts subjects. Includes focus on standards of professional communication and fine arts organizations as well as graduate and/or professional school opportunities. Also includes requirement for completion of 20 attendance credits at communication and fine arts events that may be earned during the first two years of enrollment. Special arrangements through department evaluation for transfer students.
- 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.
- 3316 Acting II (2-3)**
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 SPH 2251 or permission of instructor.
- 3321 Scenic Design (3-3)**
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.
- 3331 Costume Design (3-3)**
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.
- 3344 Lighting Design (3-3)**
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.
- 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.
- 3350 Script Analysis (2-2)**
Script Analysis is a course focusing 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.
- 3352 Sound Techniques (2-2)**
A study of digital and analog recording techniques, recording equipment, and application.
- 3354 Rendering Techniques for the Theatre (2-2)**
A study and application of traditional and experimental techniques for theatrical rendering, including watercolor, markers, pastels, pencils, and other media.
- 4443 Theatre History I (3-3)**
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:* Completion of ENG 2205.
- 4444 Theatre History II (3-3)**
Through the study of literature and dramaturgy, this course traces the history of the theatre from the 19th century to the present. *Prerequisite:* Completion of ENG 2206
- 4451 Directing I (3-3)**
Script analysis and directing principles with studies in the direction of scenes from contemporary plays. *Prerequisite:* DRA 3301.
- 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 and DRA 4451.

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, and complete a program assessment. 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.

4491-92 Guided Independent Research (1-3 credit hours per course)
 Information is indexed under Independent Research and Study in the Bulletin.

4493-94 Guided Independent Study (1-3 credit hours per course)
 Information is indexed under Independent Research and Study in the Bulletin.

4496-97 Internship (3-6 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.

**EARLY CHILDHOOD EDUCATION COURSES
 (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).*

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 appropriate physical knowledge experiences including technology and the investigation and evaluation of children’s thinking. *Prerequisite: Admission to TEP.*

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.*

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.*

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.*

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.*

4454 Internship Seminar for Early Childhood Education (3)
 This course provides seniors an opportunity during internship to examine broad educational issues and concerns, topics on the state and local levels and those of personal interest. The scope of the course ranges from juvenile law, classroom management professionalism, professional development for teachers and other course topics. *Prerequisite: Admission to TEP; Co-requisite: ECE Internship.*

4465 Early Childhood Education Internship (1-3)
 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.*

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.*

4474 Internship in Early Childhood Education (9)
 The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester.

The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP; Co-requisite: ECE 4454.*

- 4491-4492 Guided Independent Research(1-3)**
Additional information is indexed under Guided Independent Research and Study.

ECONOMICS COURSES (ECO)

- 2251 Principles of Macroeconomics (3)**
Macroeconomic theory of the national economy with emphasis on income, employment, banking, and public policy.
- 2252 Principles of Microeconomics (3)**
Microeconomic theories of value, production, distribution of income, and basic international economic analysis.
- 2270 Personal Finance and Economics (3)**
Business economics and personal finance in modern society.
- 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.*
- 3355 Labor Economics (3)**
Employment, unionism, labor-management relations and human capital. *Prerequisite: ECO 2252.*
- 3357 Managerial Economics (3)**
Theory and determination of prices. *Prerequisite: ECO 2252.*
- 3358 Macroeconomics for Managers (3)**
An analysis of economic growth, income, employment and price levels. *Prerequisite: ECO 2252.*
- 4451 International Trade (3)**
Principles underlying international trade and international finance. *Prerequisite: ECO 2252.*
- 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.*
- 4555 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 ECO 2252.*

- 4459 Economics Seminar (3)**
Current problems in economics. *Prerequisite: ECO 2252.*

EDUCATION COURSES (EDU)

- 3305 Microcomputers in Education (3)**
This course is designed to introduce prospective teachers to currently available technology and to prepare them to use various media for their own education as well as in their professional careers. Students are expected to become comfortable in the use of various media and to explore the possibilities for the use of media in the classroom. Emphasis is given to ways in which multimedia can be used to meet the needs of the varying learning styles.
- 3310 The Professional Educator**
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.*
- 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.
- 4471 Curriculum and Instructional Delivery**
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. *Prerequisite: Admission to TEP; class should be taken semester prior to internship.*
- 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.*
- 4491-4492 Guided Independent Research (1-3)**
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 chairperson or dean. A written request is to be submitted to the department chairperson 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.

4493-4494 Guided Independent Study (1-3)
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 chairperson and the dean. A written request is to be submitted to the department chairperson 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.*

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.

9914 Environmental Science: Project WET (1)
Project WET (Water Education for Teachers) is an interdisciplinary, supplementary environmental and conservation education program. The goal of Project WET is to facilitate and promote awareness, appreciation, knowledge, and stewardship of water resources.

9915 Environmental Science: Aquatic WILD (1)
Aquatic Project WILD is an interdisciplinary, supplementary environmental and conservation education program that explores the fascinating worlds of water and aquatic habitats they support.

9920 Youth with Disabilities Leadership Forum (3)
This course is designed for education and human services students. The purpose of this course is to provide field experience with youth with disabilities. Students will serve as counselors who conduct activities, guide discussion groups, and provide feedback and evaluation. *Prerequisite: permission of the instructor.*

9932 Environmental Science: Project WILD (1)
Project WILD is an interdisciplinary, supplementary environmental and conservation education program emphasizing wildlife. Project WILD emphasizes the intrinsic, ecological, and other values of wildlife, as well as the importance of wildlife as a basis for understanding the fragile grounds upon which all life rests.

9934 Environmental Science: Project Learning Tree (1)
Project Learning Tree (PLT) is an interdisciplinary, supplementary environmental and conservation education program emphasizing forestry and related resources. PLT offers opportunities for learners to develop awareness, knowledge, and skills necessary for living in harmony with the world of living and non-living things.

ELEMENTARY EDUCATION COURSES (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.*

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.*

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.*

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.*

4454 Internship Seminar for Elementary Education (3)
This course provides seniors an opportunity during internship to examine broad educational issues and concerns, topics on the state and local levels and those of personal interest. The scope of the course ranges from juvenile law, classroom management professionalism, professional development for teachers and other course topics. *Prerequisite: Admission to TEP. Co-requisite: ELE Internship.*

4474 Internship in Elementary Education (9)
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: ELE 4454.*

4491-4492 Guided Independent Research (1-3)
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 chairperson or dean. A written request is to be submitted to the department chairperson 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.

4493-4494

Guided Independent Study (1-3)

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 chairperson and the dean. A written request is to be submitted to the department chairperson 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.*

ENGLISH COURSES (ENG)

1100

Preparatory English (3)

Developmental instruction focusing on mastering rules of English grammar and composition and developing skills needed to write clear, effective sentences. Involves application of appropriate computer software and variety of written activities. Students who do not pass the English placement essay will be placed in this course. Depending upon the campus at which the course is taken, the student may be required to attend weekly sessions at a writing and/or Computer Center. *NOTE: This course will not substitute for any General Studies requirement and will not be used in meeting minimum degree requirements. Minimum grade of C required for credit.*

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 6 to 8 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.*

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*

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*

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*

1150

Basic Study Techniques (1)

Presentation of and practice in basic study techniques, including strategies for planning personal success, outlining materials, studying for tests, and taking tests.

2205

World Literature I (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*

2206

World Literature II(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*

2207

Honors World Literature I (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*

2208

Honors World Literature II (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*

2210

Word Origins and Usage (2)

Discussion of principal ways by which words enter English language. Emphasizes learning prefixes, roots, and suffixes. Requires memorizing much material.

2211

American Literature I (3)

Study of works of selected writers in various American traditions and styles from colonial times to the Civil War. *Prerequisite: ENG 1102 or equivalent*

2212

American Literature II (3)

Study of works of selected writers in various American traditions and styles from 1860 to the present. *Prerequisite: ENG 1102 or equivalent*

2219

Literature and Scholarship (2)

Philosophy and practice of literary scholarship, including basic tools and methods of literary research.

2225

Thematic Approaches to Literature (3)

An exploration of major themes in the literatures of various cultures, across historical periods and in a variety of genres. The course will focus on a selected topic. *Prerequisite: ENG 1102 or equivalent*

2244

British Literature I (3)

A survey of British literature from its beginning to the eighteenth century. *Prerequisite: ENG 1102 or equivalent*

2245

British Literature II (3)

A survey of British literature from the nineteenth century to the present. *Prerequisite: ENG 1102 or equivalent*

- 2260 Introduction to Technical and Professional Writing (3)**
 Technical communications for science, business, and professional work. Emphasis on writing for specific purposes to particular audiences in an organizational setting. Preparation of documents such as technical description of a mechanism or process, instructions, recommendations, reports, and resumes. *NOTE: course is a prerequisite for all required 3300- and 4400-level courses in the Professional Writing Emphasis. Students may take elective courses concurrently with this course.*
- 2265 History of the American Cinema (3)**
 A study of the history and development of the American cinema from its inception (c. 1895) to the end of the studio system (c. 1945). Emphasis will be on social and historical ramifications, on appreciation of film as a literary and art form, and on the major pioneers and contributors to the American movies. *Prerequisite: 6 semester hours of 2000-level English courses*
- 3301 Women's Literature (3)**
 Representative works of literature by women. *Prerequisite: 6 semester hours of 2000-level English courses*
- 3303 Writing across the Disciplines (3)**
 An advanced study of writing expository, non-fiction prose which focuses on a variety of academic disciplines. *NOTE: This course may not be used to meet English degree requirements but may be taken for free elective credit. Prerequisite: 6 semester hours of 2000-level English courses*
- 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: 6 semester hours of 2000-level English courses*
- 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: 6 semester hours of 2000-level English courses*
- 3315 Modern Drama (3)**
 Study of plays written between 1900 and the present. List of plays may vary with each offering. *Prerequisite: 6 semester hours of 2000-level English courses*
- 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*
- 3326 Science Fiction (3)**
 An exploration of the literary, social, and generic importance of science fiction. *Prerequisite: 6 semester hours of 2000-level English courses*
- 3341 Advanced Grammar (3)**
 Detailed study of the structural system of English grammar. *Prerequisite: 6 semester hours of 2000-level English courses*
- 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. to technical and scientific documents such as reports, proposals, and user manuals. *Prerequisite: ENG 2260.*
- 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: 6 semester hours of 2000-level English courses*
- 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: 6 semester hours of 2000-level English courses; ENG 3351 or permission of instructor*
- 3353 Advanced Creative Writing II (3)**
 Practice in writing poetry, short fiction, or plays for class and instructor evaluation. *Prerequisite: 6 semester hours of 2000-level English courses; ENG 3351 or permission of instructor*
- 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: 6 semester hours of 2000-level English courses; ENG 3351 or permission of instructor*
- 3355 Verse Writing (3)**
 Development of techniques in the practice of poetry, including expression through metrical patterns, rhyme, rhythm, imagism, metaphor, and symbolism. *Prerequisite: 6 semester hours of 2000-level English courses; ENG 3351 or permission of instructor*
- 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: 6 semester hours of 2000-level English courses*
- 3357 Form and Theory of Nonfiction Literature (3)**
 Examination of the theories behind various forms of non-fiction 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: 6 semester hours of 2000-level English courses*

- 3361 Children's Literature (3)**
Literature for children. *Prerequisite: 6 semester hours of 2000-level English courses. NOTE: No credit toward English major or minor.*
- 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: 6 semester hours of 2000-level English courses*
- 3365 Advanced Technical and Professional Writing (3)**
Study of technical communication as a dynamic process in organizational and social environments. on the manner in which organizational hierarchies, purposes, and stylistic conventions interact with the writing process. of professional literature and professional associations concerned with improving communications within students' disciplines. *Prerequisite: ENG 2260.*
- 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.*
- 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: 6 semester hours of 2000-level English courses*
- 4313 Modern Short Story (3)**
Examination of 20th and 21st century short stories. List of stories may vary with each offering. *Prerequisite: 6 semester hours of 2000-level English courses*
- 4314 British Culture on Location (3)**
An intensive presentation of British culture on-site in London, Oxford, and other important British locations.
- 4342 Advanced Writing (3)**
Preparation for teaching English composition and opportunity to practice writing skills and techniques at the advanced level. Involves grading freshman essays provided by instructors of ENG 1101 and comparing evaluations. Requires writing several essays illustrating various modes of exposition and argumentation. *Prerequisite: 6 semester hours of 2000-level English courses*
- 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: 6 semester hours of 2000-level English courses*
- 4401 Chaucer (3)**
Study of Chaucer's major poetry. *Prerequisite: 6 semester hours of 2000-level English courses*
- 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: 6 semester hours of 2000-level English courses*
- 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 6 semester hours of 2000-level English courses*
- 4404 Milton (3)**
Milton's poetry and major prose. *Prerequisite: 6 semester hours of 2000-level English courses*
- 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: 6 semester hours of 2000-level English courses*
- 4406 Studies in British Literature Before 1660 (3)**
Selections from Medieval and/or Renaissance British literatures, including classical, historical, and cultural background. *Prerequisite: 6 semester hours of 2000-level English courses*
- 4410 Studies in Eighteenth-Century British Literature (3)**
Selections from Restoration and 18th-century British literature and its historical and cultural background. *Prerequisite: 6 semester hours of 2000-level English courses*
- 4413 Studies in Nineteenth-Century British Literature (3)**
Study of Romantic and/or Victorian literatures. *Prerequisite: 6 semester hours of 2000 level English courses*
- 4414 British Novel Before 1900 (3)**
Representative novels by British writers of the 18th and 19th centuries. *Prerequisite: 6 semester hours of 2000-level English courses*
- 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: 6 semester hours of 2000-level English courses*
- 4416 Nineteenth-Century American Novel (3)**
Study of representative American novels of the 19th century. *Prerequisite: 6 semester hours of 2000-level English courses*
- 4417 Dramaturgy I (3)**
Study of selected classical, period, and contemporary plays, with emphasis on dramatic techniques, character development, and production. List of plays may vary with each offering. May require attending local produc-

- tions during rehearsal and regular performances. *Prerequisite: 6 semester hours of 2000-level English courses. NOTE: Only one dramaturgy course may be used in English major or minor.*
- 4418 Dramaturgy II (3)**
Continuation of study of selected classical, period, and contemporary plays, with emphasis on dramatic techniques, character development, staging, and production. List of plays may vary with each offering. May require attending local productions during rehearsal and regular performances. *Prerequisite: 6 semester hours of 2000-level English courses. NOTE: Only one dramaturgy course may be used in English major or minor.*
- 4421 English Novel (3)**
Selected 18th, 19th, and 20th century novels written in English. *Prerequisite: 6 semester hours of 2000-level English courses*
- 4425 Modern Novel (3)**
Study of representative novels written in English in the 20th and 21st centuries. *Prerequisites: 6 semester hours of 2000-level English courses*
- 4426 Modern Poetry (3)**
Study of 20th- and 21st-century poetry. *Prerequisite: 6 semester hours of 2000-level English courses*
- 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: 6 semester hours of 2000-level English courses*
- 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: 6 semester hours of 2000-level English courses*
- 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: 6 semester hours of 2000-level English courses*
- 4431 Shakespeare II: The Comedies (3)**
Study of comedies and romances. List of plays may vary with each offering. *Prerequisite: 6 semester hours of 2000-level English courses*
- 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: 6 semester hours of 2000-level English courses*
- 4433 Literary Criticism (3)**
Study of the major literary critics and their works from classical times to the present. *Prerequisite: 6 semester hours of 2000-level English courses*
- 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: 6 semester hours of 2000-level English courses*
- 4443 Southern Writers (3)**
Study of works by writers from the American South from colonial times to the present. *Prerequisite: 6 semester hours of 2000-level English courses*
- 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: 6 semester hours of 2000-level English courses*
- 4453 English Drama through the 18th Century (3)**
English drama (excluding Shakespeare) from the 9th through the 18th century. *Prerequisite: 6 semester hours of 2000-level English courses*
- 4460 Victorian Poetry(3)**
A study of Victorian poetry, with emphasis upon the works of Tennyson, Browning, Arnold, and Hardy. *Prerequisite: 6 semester hours of 2000-level English courses*
- 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: 6 semester hours of 2000-level English courses*
- 4465 African American Literature (3)**
Study of the major African American writers from the beginning of American history to the present. *Prerequisite: 6 semester hours of 2000-level English courses*
- 4474 Internship in English/Language Arts Education (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: SED 4454.*
- 4481 Methods and Materials for the Secondary Teacher (4)**
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
- 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.*
- 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*
- 4490 Professional Writing Internship (3)**
Writing Practicum/Internship at a local industry, publisher, arts or public agency. of experiences and problems in the writing practicum/internship. of professional writing practices and demands, including those of career preparation and development. *Prerequisite: ENG 2260, and completion of at least three required courses and three electives in the major*
- 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: 6 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.*
- 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. *Prerequisite: Senior status.*
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- FINANCE COURSES (FIN)**
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- 3331 Managerial Finance I (3)**
Analysis, planning and control of internal and external finance decisions of a firm with emphasis on corporate structure. *Prerequisite: ACT 2292.*
- 3332 Managerial Finance II (3)**
Second course in a sequence of managerial finance. Continuation of FIN 3331 with focus on topics in financial management not covered in FIN 3331. *Prerequisite: FIN 3331.*
- 3333 Financial Mathematics (3)**
Analysis of time value of money as it applies to loans, securities, banks, annuities, and insurance.
- 3334 Financial Statement Analysis (3)**
The process of understanding financial statements by financial analysts and credit analysts, and other uses of financial data. *Prerequisite: FIN 3332.*
- 3336 Real Estate Finance I (3)**
Procedures and operations of real estate mortgage markets. *Prerequisite: FIN 3332.*
- 3337 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. *Prerequisite: FIN 3332.*
- 4419 Speculative Markets (3)**
This course examines the theory and usage of forward contracts, futures contracts, index futures, Markov and Wiener processes, Black Scholes analysis, options, indexed options, and hedging using naked and covered positions, and other non-standard derivative securities. *Prerequisite: FIN 3332.*
- 4431 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 the FIN 3331 and 3332 courses, as well as other advanced topics. *Prerequisite: FIN 3332.*
- 4432 Investments (3)**
Financial analysis of investments, including markets, institutions, and instruments with emphasis on security analysis, portfolio analysis, and financial planning. *Prerequisite: FIN 3332.*
- 4434 Financial Modeling (3)**
This course provides an examination of standard financial models used in corporate finance, financial statement simulation, 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 simulated environments which approximate real time. *Prerequisite: FIN 4431 and 4432.*
- 4435 International Banking and Finance (3)**
A comprehensive introduction and overview of international finance with emphasis upon multinational corporation management, international trade, foreign exchange, and international financial markets, institutions, and instruments. *Prerequisite: FIN 3332.*
- 4436 Securities Analysis (3)**
Introduction and comprehensive overview of securities analysis. Topics include stocks, bonds, mutual funds, taxes, annuities, new issues, IPOs, OTC, exchanges, options, margin trading, short selling, laws and regulations, and fundamental, technical, and modern security and portfolio analysis techniques. *Prerequisite: FIN 3332.*
- 4437 Financial Institutions (3)**
A comprehensive study of financial markets, institutions, instruments, etc. *Prerequisite: FIN 3332.*

- 4438 Bank Management (3)**
Introduction and comprehensive overview of bank management. Topics include: organization, regulation, performance, asset management, liabilities management, credit policy, loan evaluation, global banking, bank mergers and acquisitions, etc. *Prerequisite: FIN 3332.*
- 4439 Finance Seminar (3)**
Review of financial management tools and techniques to solve current problems in financial management. The focus is on problems and the case study method. *Prerequisite: FIN 3332.*
- 4440 Real Estate Finance II (3)**
Second course in a sequence on real estate finance. Continuation of FIN 3336. *Prerequisite: FIN 3336.*
- 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 finance and personal finance. *Prerequisite: FIN 3332.*
- 4495 Selected Topics in Finance (3)**
Focus on finance topics of a timely nature and/or special interest. *Prerequisite: FIN 3332.*

FRENCH COURSES (FRN)

Note: For additional information, see Placement in Foreign Language Courses.

- 1101 Introductory French I (3)**
Introduction to the French language and culture.
- 1102 Introductory French II (3)**
Introduction to the French language and culture.
- 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 equivalent.*
- 2202 Intermediate French II (3)**
Reinforcement of grammatical skills, reading of simple French prose and poetry, composition and conversation. *Prerequisite: FRN 2201 or equivalent.*
- 3301 Advanced French I (3)**
Advanced-level reading, intensive work on composition, comprehensive treatment of French phonetics. *Prerequisite: FRN 2202 or equivalent.*
- 3302 Advanced French II (3)**
Advanced-level reading, intensive work on composition, aural comprehension, and practical conversation facility. *Prerequisite: FRN 2202 or equivalent.*

- 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 equivalent.*
- 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 the instructor.*
- 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 the instructor.*
- 4401 French Literature I (3)**
French literature from the Middle Ages through the Revolution of 1789. *Prerequisite: FRN 3301 or 3302.*
- 4402 French Literature II (3)**
French literature of the 19th and 20th centuries. *Prerequisite: FRN 3301 or 3302.*

4491-4492 Guided Independent Research (1-3 credit hours per course per semester)
Additional information is indexed under Guided Independent Research and Study.

4493-4494 Guided Independent Study (1-3 credit hours per course per semester)
Additional information is indexed under Guided Independent Research and Study.

GEOGRAPHY COURSES (GEO)

- 2210 World Regional Geography (3)**
Physical and cultural features, economy, and populations of the geographic regions of the world.
- 3300 Principles of Physical Geography (3)**
Earth geography including climate, soils, natural vegetation, water resources, rocks, minerals, and surface structures.
- 3301 Principles of Cultural Geography (3)**
Interrelationship of geographical elements in various world situations.
- 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.

- 3312 Geography of Latin American (3)**
An analysis of the major physical and cultural aspects of Middle and South America. *Prerequisite: Nine hours of social science.*
- 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. *Prerequisite: Six hours of social science.*
- 3331 Geography of the Middle East and North Africa (3)**
Physical setting, resource distribution, economy, population characteristics, and geopolitical importance of the region.
- 3350 Weather and Climate (3)**
A study of the physical properties of weather and climate. *Prerequisite: Twelve hours of science or social science.*
- 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.
- 4403 Conservation (3)**
The conservation of natural and human resources with emphasis on population expansion as the major element in changing ecology.
- 4404 Economic Geography (3)**
Spatial patterns of economic activities including production, distribution, consumption, and the environmental consequences of these activities. *Prerequisite: Twelve hours of social science.*
- 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.*
- 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. *Prerequisite: Twelve hours of social science.*
- 4411 Demography (3)**
Population growth, stabilization, decline, and structures in the context of societal change. This course may be taken for sociology credit.
- 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.
- 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. *Prerequisite: Twelve hours of geography or history.*
- 4491-4492 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.*
- 4493-4494 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.*
- 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.

GEOMATICS COURSES (GEM)

- 1100 Computer-Aided Drafting (1)**
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. *Co-requisite: GEM L110.*
- 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.
- 2220 Basics of Cartography and 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 da-

- tums, elevations, and mapping. The use of computer-aided drawing software to produce maps and plats is required. *Prerequisite: MTH 1115. Co-requisite: GEM L220.*
- L220 Basics of Cartography and 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.
- 3309 Land Parcel Administration and Law (3)**
The geomatics student is introduced to the basic principles of land tenure and the cadastre. The major component of the course is 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 or approval of the Geomatics Program Coordinator. Co-requisite: GEM L309.*
- L309 Land Parcel Administration and Law 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.
- 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.*
- 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.*
- 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. Co-requisite: GEM L330.*
- L330 Advanced Measurement Analysis Lab (1)**
Field laboratory experience gaining astronomic observations for azimuth, using EDM calibration baselines, conducting topographic mapping projects and control level loops, and testing for instrument errors. The student is introduced to the field use of data collectors.
- 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: MTH 1115. Co-requisite: GEM L366.*
- L366 Photogrammetry and Remote Sensing Lab (1)**
Use of computer software to view and enhance photographs, to form stereomodels, 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.
- L367 Digital Images in GIS (1 Credit Hour)**
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 and GEM L366.*
- 3370 Geodesy and Geodetics (3)**
The study of the underlying theory necessary to understand the use of the Global Positioning System (GPS). 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 GPS network design. *Prerequisites: MTH 1125, GEM 3379/L379. Recommended completion of PHY 2253 or the equivalent. Co-requisite: GEM L370.*
- L370 Geodesy and Geodetics Lab (1)**
Practice performing geodetic computations using the ellipsoid of revolution as a reference surface. A major laboratory component is static GPS network design and the use of dual-frequency survey-grade GPS equipment to extend survey control to the project site.
- 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.*
- 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. *Prerequisite: MTH 1125 and MTH 2210 or equivalent. Co-requisite: GEM L379.*
- 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.
- 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.

Prerequisite: MTH 1112 or equivalent and IS 2241, or consent of instructor.

- L390 Introduction to GIS Lab (1)**
The laboratory provides the student the opportunity to learn ArcView GIS software in order to produce GIS products using existing databases.
- 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 or consent of the instructor.*
- L391 Applications of GIS Lab (1)**
This laboratory provides the student the opportunity to learn and use ArcInfo GIS to accomplish a full range of GIS applications.
- 4405 Route and Construction Surveying (2)**
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 1100 or the equivalent, and GEM 3330. Co-requisite: GEM L405.*
- 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.
- 4407 Land Development (1)**
Explores the concepts and problems associated with the design and construction of subdivisions and related infrastructure. *Prerequisites: GEM 1100 or the equivalent, and GEM 4409. Co-requisite: GEM L407.*
- L407 Subdivision Design Practice (1)**
This computer laboratory provides the student the opportunity to design and create those drawings necessary for local government approval of the typical subdivision.
- 4409 Hydrology (3)**
Explores several models used to compute runoff estimates based on particular rainfall events. Course topics are the hydrologic cycle, rainfall intensity, runoff models, hydrographs, storm sewer design, culvert design, open channel flows, watershed delineation, water detention and retention structures, and onsite sewage disposal systems. *Prerequisite: GEM 1100 or the equivalent, MTH 1115. Co-requisite: GEM L409. Recommended completion of PHY 2253 or the equivalent.*
- L409 Hydrology Lab (1)**
Compute peak runoff estimates, and open channel designs. The hydrology components of Microstation and AutoCAD 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.

- 4495 Cooperative Work Experience I (2)**
The geomatics student may register for GEM 4495 after being hired by an eligible employer participating in the Cooperative Work Experience Program. After completion of the semester, the student is expected to submit a written report to the Geomatics Program Coordinator detailing the work experience and present a brief oral report to his/her peers in the following semester in a scheduled geomatics class. *Prerequisites: Completion of GEM 2220, maintenance of a 2.0 grade point average, and approval of the Geomatics Program Coordinator.*
- 4496 Cooperative Work Experience II (2)**
The geomatics student may register for GEM 4496 for the second semester of cooperative work experience. The student must be in residence at Troy University for a minimum of one semester after completion of GEM 4495 before leaving for cooperative work experience under GEM 4496. *Prerequisites: Completion of GEM 4495 and approval of the Geomatics Program Coordinator.*
- 4499 Geomatics/GIS Projects (2)**
This course offers the geomatics/GIS student with senior standing 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 place the study into a final report. *Prerequisite: IS 2240 and senior standing or consent of the geomatics program coordinator.*

GERMAN COURSES (GER)

Note: For additional information, see Placement in Foreign Language Courses.

- 1121 Introductory German I (3)**
Introduction to the German language and culture.
- 1122 Introductory German II (3)**
Introduction to the German language and culture.
- 2221 Intermediate German I (3)**
Emphasis on basic language skills and knowledge of German culture. *Prerequisite: GER 1122 or equivalent.*
- 2222 Intermediate German II (3)**
Emphasis on basic language skills and knowledge of German culture. *Prerequisite: GER 2221 or equivalent.*
- 4493-4494 Guided Independent Study (1-3 credit hours per course per semester)**
Additional information is indexed under Guided Independent Research and Study.

GREEK COURSES (GRK)

Note: For additional information, see Placement in Foreign Language Courses.

- 1111 Introductory Greek I (3)**
Introduction to the ancient Greek language with emphasis on pronunciation, basic vocabulary, fundamentals of grammar, and graded readings.
- 1112 Introductory Greek II (3)**
Continuation of GRK 1111. *Prerequisite: GRK 1111.*
- 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.*

HEALTH AND PHYSICAL EDUCATION COURSES (HPR)

- 1101 Badminton (1)**
Physical education activity course.
- 1104 Golf (1)**
Physical education activity course.
- 1107 Swimming (1)**
Physical education activity course.
- 1108 Tennis (1)**
Physical education activity course.
- 1109 Intermediate Swimming (1)**
Physical education activity course.
- 1110 Paddle Tennis (1)**
Physical education activity course.
- 1111 Archery (1)**
Physical education activity course.
- 1112 Advanced Swimming (1)**
Physical education activity course.
- 1122 Water Aerobics (1)**
Physical education activity course.
- 1123 Synchronized Swimming (1)**
Physical education activity course.
- 1130 Social Contemporary Dance (1)**
Physical education activity course.
- 1131 Folk Dance I (1)**
Physical education activity course.
- 1133 Square Dance (1)**
Physical education activity course.

- 1134 Ballroom Dance (1)**
Physical education activity course.
- 1135 Ballet I (1)**
Physical education activity course.
- 1136 Jazz Techniques I (1)**
Physical education activity course.
- 1137 Tap Dance (1)**
Physical education activity course.
- 1138 Clog Dance Techniques I (1)**
Physical education activity course.
- 1139 Aerobic Dance I (1)**
Physical education activity course.
- 1141 Jogging (1)**
Physical education activity course.
- 1142 Weight Training (1)**
Physical education activity course.
- 1144 Step Aerobics (1)**
Physical education activity course.
- 1146 Physical Defense for Women (1)**
Physical education activity course.
- 2200 Health Concepts (1-1)**
A study of health concepts that characterizes a process in the life cycle that is typical of every individual.
- 2201 Camping and Outdoor Education (1-1)**
Camping, leadership and program planning.
- 2202 First Aid and Safety and CPRO (2-2)**
Community first aid and safety instruction and CPRO for the professional following American Red Cross techniques.
- 2204 Intermediate Golf (1)**
Physical education activity course.
- 2208 Intermediate Tennis (1)**
Physical education activity course.
- 2223 Advanced Synchronized Swimming (1)**
Physical education activity course.
- 2230 Rhythmic Activities for Special Populations (1)**
Physical education activity course.
- 2231 Folk Dance II (1)**
Physical education activity course.

- 2232 Modern Dance Techniques II (1)**
Physical education activity course.
- 2235 Ballet II (1)**
Physical education activity course.
- 2236 Jazz Techniques II (1)**
Physical education activity course.
- 2238 Clog Dance Techniques II (1)**
Physical education activity course.
- 2239 Aerobic Dance II (1)**
Physical education activity course.
- 2240 Personal Health (2-2)**
Personal health as it applies to practices, knowledge and behavior.
- 2241 Intermediate Jogging (1)**
Physical education activity course.
- 2242 Intermediate Weight Training (1)**
Physical education activity course.
- 2250 Foundations of Health Science (1-1)**
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.
- 2251 Foundations of Physical Education and SFM (2-2)**
A study of the history and principles of health education and physical education with particular emphasis placed on present practices and trends.
- 2252 Methods of Teaching Dance (2-2)**
Social, folk and square dancing, including basic rhythmic activities which can be taught in elementary, middle and high schools.
- 2260 Applied Fitness Concepts (2-2)**
Personal conditioning-based course focusing on training principles, modes of exercise, training tools, performance enhancers, measurement concepts and exercise prescription.
- 2263 Lifeguard Training (3-3)**
Organization and teaching of the fundamental skills for water safety and the prevention of drowning. *Prerequisites: Advanced swimming or permission of instructor.*
- 3330 Physical Skills Proficiency (2-2)**
This course covers the rules, regulations, terms, origin, development, safety, equipment, and performance of skills of the physical sport skills related to HPR 4485/4486.
- 3331 Physical Skills Proficiency II (2-2)**
Traces the historical development of fitness, conditioning, and wellness concepts for life. Identifies rules, regulations, and terminology of specified sport activities. Students are expected to perform specified skill tests in golf, soccer, swimming, tennis, and track and field with a proficiency level of 80%.
- 3332 Modern Dance Techniques III (1)**
Physical education activity course.
- 3340 Principles of Recreation (3-3)**
Overview of recreation on federal, state and local levels with respect to history, program, population, facilities and trends.
- 3350 Psychology of Wellness and Performance (3-3)**
Theory and practical application of psychological factors that impact wellness and performance of individuals and groups.
- 3352 Kinesiology and Efficiency of Human Movement(3-3)**
General anatomy, joint and muscle function, and analysis of body movements. *Prerequisites: HPR 3360 or BIO 3347 and 3348*
- 3355 Introduction to Sport and Fitness Management (2-2)**
This course is an introductory course for students who wish to enter the professional field of sport and/or fitness management. Students will be exposed to a variety of subjects related to sport and fitness management.
- 3360 Physiological Principles of Body Systems (3-3)**
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: BIO 1100, CHM 1142 and L142.*
- 3361 Integrating HPER into the Curriculum (3)**
Methods and materials of teaching physical education for grades K-6. *Prerequisite: Junior standing or above.*
- 3363 Lifeguard Training Instructor (3-3)**
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: HPR 2263.*
- 3368 Water Safety Instructor (WSI) (2-2)**
Organization and teaching swimming and water safety programs. *Prerequisite: Swimming Certificate.*
- 3369 Scuba (2-4)**
Basic techniques of scuba diving. *Prerequisite: Permission of the instructor. 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.*

- 3391 Testing and Statistical Interpretation (3-3)**
 Test selection, analyzing test scores and measurement as a technique of evaluation in evaluation in health education and physical education. *Prerequisite: junior standing or above.*
- 3392 Water Safety Instructor for the Handicapped (1-1)**
 Organization and methods of teaching swimming to adapted students. *Prerequisite: A current valid WSI Certificate (Swimming Instructor Certificate).*
- 3395 Care and Prevention of Athletic Injury (2-2)**
 The study of basic care and prevention, evaluation, management and rehabilitation of athletic injuries. *Prerequisites: BIO 3347, L347, 3348, L348.*
- 4400 Sports Officiating and Programs in Intramurals (3-3)**
 Focuses on school and community recreation programs, including sports, games and officiating techniques.
- 4410 Motor Development (2-2)**
 An analysis of the ways in which children develop movement capabilities. *Prerequisite: Junior standing or above.*
- 4420 Community Health (3-3)**
 A study of community organization for health including environmental health, epidemiology, and medical services.
- 4421 Human Sexuality and Sex Education (3-3)**
 Sex roles and behavior. Methods and materials for sex education.
- 4422 Substance Abuse Education (3-3)**
 A study of the abuse of drugs in society. An emphasis is placed on content, resources, and methods in drug education.
- 4427 Health Behavior (3-3)**
 The theoretical foundations of health behavior and evaluation and their application to health practice. *Prerequisite: HPR 4420.*
- 4430 Sport and Fitness Marketing (3)**
 Course is designed to introduce the student to marketing practices of sport and fitness organizations. The course will review terminology, systems, techniques, and processes that are used in the specialized application of sport and fitness marketing and to encourage students to consider how traditional marketing strategies may be applied to this substantial and growing industry. *Prerequisite: HPR 3355 or permission of instructor.*
- 4435 Current Issues in Sport and Fitness Management (3)**
 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 student in sport and fitness management to remain current with contemporary developments in the sports industry. *Prerequisite: HPR 3355.*
- 4440 Governing Agencies in Sport (3)**
 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, professional sports leagues in the United States and Europe. *Prerequisite: HPR 3355 or permission of instructor.*
- 4442 Health Education (3-3)**
 Course focuses on school health organization, services and institutions, grades N-12. *Prerequisite: Junior standing or above.*
- 4443 Sport Administration (3)**
 Organization and administration of sport management, recreation and athletic training programs. *Prerequisite: Junior standing or above.*
- 4451 Sport Finance and Business (3)**
 This course is designed to provide the student with information concerning the basic theories of finance and accounting as applied to managerial control of sport organizations. Included are forms of ownership, taxation, financial analysis, feasibility studies, licensing, and economic impact studies. *Prerequisite: HPR 3355 or permission of instructor.*
- 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 as well as event management. *Prerequisite: HPR 3355 or permission of instructor.*
- 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: HPR 3360 or BIO 3347 and 3348, and HPR 3352. Co-requisite: HPR L460.*
- L460 Principles of Strength and Conditioning Lab**
 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. *Prerequisite: HPR 3360 or BIO 3347 and 3348, and HPR 3352. Co-requisite: HPR 4460.*
- 4462 Physical Education for Exceptional Children (2-2)**
 This course explores programs to serve the needs of the exceptional child in schools. *Prerequisite: permission of the instructor.*
- 4465 Classroom Management for the Health and Physical Educator (2)**
 This course will explore the issues of organization, curriculum, and classroom management as they relate to the

- physical education environment. Directed field requirements will be presented and observation hours will be conducted. *Prerequisite: Junior or senior level.*
- 4470 Theory and Techniques of Coaching Softball (2-2)**
Development of basic skills necessary for team play, squad organization, rules, scouting procedures, team conditioning, and equipment needs.
- 4474 Exercise Physiology (3-3)**
Physiological mechanisms and adaptations of cells, tissues, organs and systems during physical activity. *Prerequisite: HPR 3360 or BIO 3347/3348, and HPR 3391, 3352.*
- L474 Exercise Physiology Lab (1-1)**
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. *Prerequisite: HPR 4474.*
- 4475 Exercise Testing and Prescription (3-3)**
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 ASSM will also be discussed. *Prerequisite: HPR 4474.*
- 4476 Laboratory Practicum in Exercise Physiology (2-2)**
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: HPR 4474.*
- 4477 Theory and Techniques of Coaching Football (2-2)**
Offensive and defensive techniques, purchase and case of equipment, budgeting, ethics, rules, scouting and team conditioning.
- 4478 Theory and Techniques of Coaching Soccer (2-2)**
The development of basic skills necessary for team play, squad organization, rules, scouting procedures, term conditioning and equipment needs.
- 4479 Theory and Techniques of Coaching Volleyball (2-2)**
Offensive and defensive techniques, purchase and care of equipment, budgeting, squad organization, rules, scouting and team conditioning.
- 4480 Theory and Techniques of Coaching Track and Field (2-2)**
Teaching of basic fundamentals of track and field activities.
- 4481 Methods and Materials for the Secondary School Physical Education or Health Teacher (3-3)**
Teaching methods, selection, organization and use of physical education or health materials in secondary schools. Observation and teaching experiences will be included. *Prerequisite: Admission to TEP.*
- 4482 Theory and Techniques of Coaching Basketball (2-2)**
Offensive and defensive techniques, purchase and care of equipment, budgeting, squad organization, rules, scouting and team conditioning.
- 4483 Theory and Techniques of Coaching Baseball (2-2)**
Offensive and defensive techniques, purchase and care of equipment, budgeting, batting and field drills, rules, scouting and team conditioning.
- 4485 Teaching Individual and Team Sports (3-3)**
Teaching methods, techniques and officiating basketball, gymnastics, badminton and soccer. *Prerequisite: HPR 3352 and admission to professional education program or permission of the instructor.*
- 4486 Teaching Individual and Team Sports (3-3)**
Teaching methods, techniques and officiating swimming, track and field, tennis and golf. *Prerequisites: HPR 3352 and admission to professional education program or permission of the instructor.*
- 4487 Special Topics in Exercise Performance (2-2)**
An intensive study of selected topics in exercise science. Topics to be taught each term TBA. *Prerequisite: HPR 4474 or permission of instructor.*
- 4488 Issues and Practice in Cardiac Rehabilitation (3-3)**
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: HPR 4474.*
- 4489 Practicum in Dance Production and Performance (1-3)**
A supervised experience in planning, staging and evaluating a formal dance production.
- 4490 Internship in Area of Concentration (4-10)**
A supervised experience in planning, staging and evaluating a formal practicum in related field. *Prerequisite: Permission of the department chair.*
- 4491-4492 Guided Independent Research (1-3)**
Additional information is indexed under Guided Independent Research and Study.
- 4493-4494 Guided Independent Study (1-3)**
Additional information is indexed under Guided Independent Research and Study.
- 4499 Senior Seminar (1-2)**
Students enrolled in the course will complete resumes, attend professional meetings, and be informed of certification dates and locations. *Prerequisites: Permission of instructor.*

4472 Internship in Health/Physical Education (9)
 The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: IED 4454.*

HISTORY COURSES (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.

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.

1103 Honors Western Civilization I (3)
 Chronological coverage same as HIS 1101. Enrollment restricted to superior students. *Prerequisite: Permission of department chair.*

1104 Honors Western Civilization II (3)
 Chronological coverage same as HIS 1102. Enrollment restricted to superior students. *Prerequisite: Permission of department chair.*

1111 U.S. TO 1877 (3)
 Survey of American history from the colonial period through Reconstruction, including the Revolution, Constitution, National Era, Sectional problems, and the Civil War.

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.

1113 Honors U.S. to 1877 (3)
 Chronological coverage same as HIS 1111. Enrollment restricted to superior students. *Prerequisite: Permission of department chair.*

1114 Honors U.S. Since 1877 (3)
 Chronological coverage same as HIS 1112. Enrollment restricted to superior students. *Prerequisite: Permission of department chair.*

1122 World History to 1500 (3)
 This course surveys the origins, development, and character of the major centers of civilizations and their relation-

ships to one another from the earliest civilizations to 1500.

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.

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.*

3304 Military History of the United States (3)
 A study of war in United States history from the Colonial period through the Vietnam War, 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.*

3306 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.*

3309 England to 1688 (3)
 A survey of English history from the Anglo-Saxons to the Glorious Revolution, emphasizing the interaction of geographical, political, economic, and cultural forces which shaped England as a monarchy. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*

3310 England Since 1688 (3)
 The final evolution of the English political system from the reign of William and Mary to the contemporary era, including social and economic transformations, the British Empire, the two world wars, the welfare state, and current issues. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*

3315 The Vietnam War (3)
 A study of the period 1946 to 1975 in Indochina with emphasis on the American involvement during and after the French colonial period, escalating involvement of the Kennedy and Johnson administrations, and Vietnamization and withdrawal under President Nixon. *Prerequisites: HIS 1111 and 1112 or permission of instructor. *May be used for political science credit.*

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.*

- 3318 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.*
- 3330 Historical Archeology (3)**
An examination of the historical research methods and archaeological techniques used to investigate and interpret archaeological sites dating from the prehistoric period.
- 3341 Medieval Europe (3)**
Western Europe from the fall of Rome to the Renaissance, including religious and intellectual traditions and the revival of governmental institutions. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*
- 3342 Renaissance and Reformation (3)**
Historical review of the transitional centuries bridging the medieval and the modern eras, including the rebirth of art and literature, the Protestant and Catholic reform movements, and the role of kings and states. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*
- 3343 Age of Absolutism (3)**
Survey of political and religious controversies that shaped affairs in Europe during the 16th and 17th centuries, emphasizing the flowering of monarchy and aristocracy. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*
- 3344 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 permission of instructor.*
- 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 permission of instructor.*
- 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 permission of instructor.*
- 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.
- 3362 Archives: 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.
- 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. (Students must receive a grade of C or better for credit toward completion of degree requirements.)*
- 4401 French Revolution and Napoleon (3)**
A study of the absolutist-aristocratic France challenged by democratic-egalitarian ideals and revolution. The role of Napoleon as conqueror of Europe and as propagator and destroyer of the French Revolution is also studied. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*
- 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 permission of instructor.*
- 4403 Contemporary Europe (3)**
Traces European developments 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 permission of instructor.*
- 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.*
- 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.*
- 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.*

- 4412 The American Revolution and the New Nation, 1763-1815 (3)**
 Ideas and institutions which led to American independence, the creation of the American union, and the development of a distinctive American culture in the early national period. *Prerequisites: HIS 1111 and 1112 or permission of instructor.*
- 4413 Antebellum, Civil War and Reconstruction, 1815-1877 (3)**
 Nationalism, Jacksonian democracy, territorial expansion, slavery and sectional strife, and the resulting Civil War and Reconstruction are included. *Prerequisites: HIS 1111 and 1112 or permission of instructor.*
- 4414 Emergence of Modern America, 1877-1919 (3)**
 Agricultural decline and crisis, industrialization and urbanization, Progressive reform era, World War I, and America as a world power are discussed. *Prerequisites: HIS 1111 and 1112 or permission of instructor.*
- 4415 Contemporary America (3)**
 America in the Great Depression, World War II and the Cold War, Civil Rights Movement, Johnson's Great Society, and America as a super power are topics which are included. *Prerequisites: HIS 1111 and 1112 or permission of instructor.*
- 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, with special emphasis on classroom participation in topical discussions. *Prerequisites: HIS 1111 and 1112 or permission of instructor.*
- 4423 U.S. Foreign Policy to 1920 (3)**
 A study of the factors, forces, and functions in the making of American foreign policy from the 1760s to 1920. *Prerequisites: HIS 1111 and 1112 or permission of instructor. May be used for political science credit.*
- 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 4414 and 4415 or permission of instructor.*
- 4432 Russia to 1861 (3)**
 A study of the history of the Eastern Slavic people from the prehistoric period through the Kievan, Appanage, Muscovite, and Imperial periods, from Peter the Great to the emancipation of the serfs in 1861. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*
- 4433 Russia Since 1861 (3)**
 The development of the revolutionary movements and tsarist reform attempts, World War I, revolutions of 1917 and Bolshevik victory, establishment of the Stalinist state, World War II, Cold War, Soviet domestic problems, and the disintegration of the USSR. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*
- 4434 Major Personalities in the Development of Civil Rights in America (3)**
 Study of important civil rights personages and their writings from Frederick Douglas and other pre-Civil War activists and thinkers to the present. *Prerequisite: HIS 4430.*
- 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. May be used as geography credit. *Prerequisites: HIS 1111 and 1112 or permission of instructor.*
- 4436 Civil Rights in Alabama (3)**
 Study of the history of civil rights in Alabama beginning with the Reconstruction period and progressing through central events and developments up to the present. Course emphasis also will include legal developments and important personalities. *Prerequisite: HIS 4430.*
- 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. May be used for political science credit.*
- 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 permission of instructor.*
- 4448 The Westward Movement (3)**
 Study of the history of American expansionism and westward movement and its impact on political, economic, and social institutions. *Prerequisites: HIS 1111 and 1112 or permission of instructor.*
- 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.*
- 4451 The Far East (3)**
 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 permission of instructor.*
- 4454 Western Thought Since the 17th Century (3)**
 Principal ideas and political thinking from the Age of the Enlightenment to the present. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*

- 4470 Oral History (3)**
An introduction to the methods and practice of oral history.
- 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.
- 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. *Note: Credit in Archival Minor only.*
- 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.*
- 4474 Internship in History Education (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: SED 4454.*
- 4481 Methods and Materials for the Secondary Teacher (4)**
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.
- 4482 Hispanic American Beginnings (3)**
Colonial systems of Spain and Portugal in the Americas from the 16th to 19th centuries, with emphasis on revolt and the establishment of the Latin American republics and religious and economic institutions. *Prerequisites: HIS 1111 and 1112 or permission of instructor.*
- 4483 Latin American States (3)**
Cultural, social, political, and economic development in 19th and 20th centuries and international and U.S. relations. *Prerequisites: HIS 1111 and 1112 or permission of instructor.*
- 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 at Troy University-Dothan campus.*
- 4491-4492 Guided Independent Research (1-3)**
Additional information is indexed under Guided Independent Research and Study.
- 4493-4494 Guided Independent Study (1-3)**
Additional information is indexed under Guided Independent Research and Study.
- 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.*
- 4496 Secondary Education Internship — History (9)**
Additional information is indexed under The Professional Internship Program.
- 4499 Internship in History (1-3)**
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 and dean.*

HUMAN SERVICES COURSES (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.
- 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.
- 2232 Peer Education Practicum (1)**
Supervised experience in the Campus Peer Education - Drug Abuse Prevention Program. *Prerequisite: HS 2231 (May be repeated for a total of three hours credit).*
- 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.

3370 Professional Communication Skills (3)
Principles and techniques of interviewing for human services professionals. Major emphasis is the building of empathic skills.

weeks in advance of the term the research is to be undertaken.

3390 Introduction to Manual Communication (3)
Students will learn basic signing techniques. This course is open to all students. Persons interested in learning manual communication who do not intend to complete an undergraduate degree are encouraged to audit or to enroll as special students.

3391 Intermediate Manual Communication (3)
Students will build upon the skills learned in HS 3390 and will begin to develop conversational styles of manual communication. *Prerequisite: HS 3390.*

3392 Advanced Manual Communication (3)
Students will learn an advanced conversational style of manual communication and will become proficient in advanced communication with the hearing impaired. *Prerequisite: HS 3391.*

3393 Orientation to the Hearing Impaired (3)
This course will provide an understanding of the medical, psychological, social, educational and vocational issues that professionals must understand to work effectively with persons who are hearing impaired.

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.*

4491-4492 Guided Independent Research (1 to 3 credit hours per course per semester)
Additional information is indexed under Guided Independent Research and Study.

4493-4494 Guided Independent Study (1 to 3 credit hours per course per semester)
Additional information is indexed under Guided Independent Research and Study.

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*

INFORMATION SYSTEMS COURSES (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.

2244 Computer Programming I (3)
An introduction to a programming language is provided. The course presents programming fundamentals, including program structure, assignment, data types, input/output, flow of control, and functions. It includes top-down design, structured programming using the basic control structures, sequence, decision, and repetition, modularization, and encapsulation. *Prerequisite: Grade of C or higher in IS 2241 and MTH 1112, (MTH 2201 recommended).*

2260 Computer Programming II (3)
Advanced programming, including arrays, pointers, strings, the pre-processor, structures, list processing, and advanced I/O, is examined. Emphasis is placed on developing and testing moderately complex programs. *Prerequisite: IS 2244.*

3300 Introduction to Information Systems (3)
Introduction to information systems concepts, with an emphasis on describing information systems requirements, managing information resources, and applying information technology to the solution of business and management challenges. *Prerequisite: IS 2241.*

3320 Data Communication and Computer Networking (3)
This course covers the theory, hardware and software of computer networks. Emphasis is placed on data communication principles, local area networks, and wide area networks. *Corequisite: IS 3300.*

3330 Web Authoring (3)
A survey of the programming languages and tools used to develop Web-based applications. *Prerequisite: IS 2244 or permission of the instructor.*

3339 Object-Oriented Programming I (3)
A conceptual framework is presented for object-oriented programming. Topics discussed include classes, data hiding, member functions, object creation, overloading, inheritance, parametric polymorphism, and reusable code. *Prerequisite: IS 2244.*

3346 Database Management Systems I (3)
Introduction to database management and design techniques. Emphasis is on the relational model of database management including data definition and manipulation, database design and normalization concepts, database administration, and database application generation. *Prerequisites: IS 2244 and IS 3300.*

- 3349 Object-Oriented Programming II (3)**
Intermediate and advanced object-oriented programming concepts. Topics include error handling and debugging, file handling and database access, dynamic data exchange, creating linked and embedded objects, business graphics and reports, and advanced GUI design concepts. *Prerequisite: IS 3339.*
- 3380 Network Operating Systems (3)**
This course covers the deployment and administration of current network operating systems. Emphasis is placed on the practical application of installing and administration of PC-based network operating systems in a LAN environment. *Prerequisite: IS 3320.*
- 4430 Web Site Design (3)**
Includes coverage of web site creation, design, programming, planning, and maintenance. *Prerequisite: IS 3346 and IS 3330.*
- 4440 Database Management Systems II (3)**
Modeling data organization; representation of data relationships; data definition languages; data access via languages in context models; facilities provided by DBMSs; implementation techniques; operational requirements; a survey of state of the art DBMSs. *Prerequisite: IS 3346 and IS 3330.*
- 4443 Internet Development (3)**
Advanced application development using databases and an Internet application development environment. *Prerequisite: IS 3346 and IS 3330.*
- 4447 System Engineering and Project Management (3)**
This course covers issues and procedures of design, implementation, testing, documentation and management of computer information systems, as well as models and principles to manage information system projects. *Prerequisite: IS 3346.*
- 4450 Network Design and Management (3)**
This course covers the design and administration of essential network directory services. Emphasis is placed on the practical application of designing, installing, securing, and administering directory services using PC-based network operating systems in a LAN environment. *Prerequisite: IS 3380.*
- 4451 Network Infrastructure and Security (3)**
This course covers the administration of essential network infrastructure services. Emphasis is placed on the installing and administering of the following network services on PC-based network operating systems in a LAN environment: DNS, DHCP, remote access, WINS, IP routing, and security. *Prerequisite: IS 3380.*
- 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.*

INTERDISCIPLINARY EDUCATION COURSES (IED)

- 4454 Internship Seminar for Interdisciplinary Education (3)**
This course provides seniors an opportunity during internship to examine broad educational issues and concerns, topics on the state and local levels, and those of personal interest. The scope of the course ranges from juvenile law, classroom management professionalism, professional development for teachers and other course topics. *Prerequisite: Admission to TEP. Co-requisite: IED Internship.*
- 4472 Internship in Grades P-12 (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: IED 4454.*
- 4491-4492 Guided Independent Research (1-3)**
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 chairperson or dean. A written request is to be submitted to the department chairperson 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.*
- 4493-4494 Guided Independent Study (1-3)**
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 chairperson and the dean. A written request is to be submitted to the department chairperson 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.*

JOURNALISM COURSES (JRN)

NOTE: Reasonable proficiency in keyboarding (25 wpm) is a prerequisite for all journalism courses except JRN 1101 and JRN 1103.

- 1100 Technologies in Journalism (3-4)**
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.

- 1101 Introduction to Mass Communications (3-3)**
The newspaper and other communications media in modern society.
- 1102 Writing for Mass Media (3-4)**
A basic course in preparing written materials for the mass media. *Prerequisites: ENG 1101 and 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.*
- 1103 Introduction to Radio and Television (3-3)**
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.
- 2201 Reporting (3-4)**
Gathering, evaluating and reporting the news. *Prerequisite: Completion of JRN 1102 with grade of C or better and sophomore standing. Must make at least C or better in JRN 2201 before taking another journalism course. Requires one hour per week of work on student media.*
- 2203 Broadcast News Writing (3-4)**
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. Requires one hour per week of work at TSU-TV.*
- 2210 Global Journalism and International Media Systems (3-3)**
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.
- 2211 Editing (3-4)**
Editing copy for publication, headline writing and image sizing. Must make a C or better. *Co-requisite or Prerequisite: JRN 1102.*
- 2220 Introduction to Advertising (3-3)**
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.
- 2230 Introduction to Public Relations (3-3)**
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.
- 3300 Print News Photography (3-4)**
Discussion of and practical experience in 35-millimeter photography for newspapers and magazines in the areas of general news, features and sports photography.
- 3302 Feature and Magazine Article Writing (3-4)**
Researching, writing and marketing magazine feature articles, with emphasis on the human interest story, the personality sketch and the “color” story. *Prerequisite: JRN 2201.*
- 3312 Advanced Editing (3-4)**
Page layout and design, including the special pages, with an introduction to typography and graphics. *Prerequisite: JRN 2211.*
- 3315 Advanced Reporting (3-4)**
News reporting and writing on sports, business, consumer affairs, the environment, and public affairs, particularly local and state government, the courts and education. Emphasis is placed on use of background research and multiple sources and writing on deadline. Must make a C or better to receive credit toward degree. *Prerequisite: JRN 2201.*
- 3320 Information Gathering (3-4)**
Supervised journalism-related experiences focusing on gathering and analyzing information through discussion and practice of the techniques of interviewing, document and online research, focus groups and opinion surveys.
- 3321 Public Relations Cases and Strategies (3-3)**
A case study and project-based approach to public relations research, strategy setting and tactical implementation. *Prerequisites or co-requisites: JRN 2201, 2230 (Introduction to Public Relations).*
- 3322 Advertising Copywriting (3-4)**
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 and JRN 2220 or special permission from the director of the School of Journalism.*
- 3326 Advising Student Publications (3-3)**
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. *NOTE: For current or prospective advisers of high school or college newspapers and yearbooks.*
- 3327 Sports Broadcasting (3-3)**
Advanced methods, techniques and performance styles for broadcast sports news and information. *Prerequisite: JRN 2201.*
- 3330 Journalism Practicum (variable credit 1-3 hours)**
Supervised journalism-related experiences focusing on gathering information, writing, editing, photography, design, online journalism, electronic journalism, broadcast journalism, advertising and/or public relations.

- 3350 Advertising Sales (3-3)**
Discussion of and practical experience in servicing accounts and selling advertisements. May require selling ads for the Tropolitan. *Prerequisite: JRN 2220.*
- 3365 TV Studio Techniques and Producing (3-4)**
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.
- 4400 Special Topics in Journalism (1 to 3)**
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.
- 4401 Community Media Management (3-3)**
Discussion of special problems and management techniques of print, broadcast, cable and public relations organizations.
- 4403 Radio News Practicum (3-6)**
Supervised experience in gathering, writing and performing a daily radio news broadcast. Two hours per day plus a weekly one-hour discussion and evaluation. *Prerequisite or Co-requisite: JRN 2203.*
- 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.*
- 4410 Advanced Radio Practicum (3-6)**
Emphasis on individualized work in radio news or production. *Prerequisite: JRN 4403 or 4405.*
- 4413 Television News Practicum (3-6)**
Supervised experience in gathering, writing and performing reports for a daily television news broadcast. Two hours per day plus a weekly one-hour discussion and evaluation. *Prerequisite or co-requisite: JRN 2203.*
- 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.*
- 4419 Advanced Public Relations Tactics (3-3)**
Practical experience in preparation of public relations messages for a client. *Prerequisite: JRN 3321. Co-requisite: JRN 4423.*
- 4420 Advanced Television Practicum (3-6)**
Emphasis on individualized work in television news or production. *Prerequisite: JRN 4413.*
- 4421 The Editorial Page (3-4)**
Editing and producing the editorial page, with extensive practice in writing the opinion column and editorial. *Prerequisite: JRN 2201.*
- 4423 Public Relations Campaigns (3-3)**
Application of public relations theory and best practices resulting in the creation of a complete public relations campaign for a client. *Prerequisite: JRN 3321. Co-requisite: JRN 4419*
- 4425 Media Law (3-3)**
The rights and restrictions of the press: the First Amendment, privilege, libel, slander, contempt, right of privacy, etc. *Prerequisite: Junior standing or above.*
- 4427 Sports Reporting (3-3)**
Advanced methods, techniques, and writing styles for reporting sports news and information. *Prerequisite: JRN 2201.*
- 4430 Processes and Effects of Mass Communication (3-3)**
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.
- 4440 Advanced Technologies in Journalism (3-4)**
An introduction to using advanced technologies and online reporting techniques in journalism and public relations.
- 4489 Internship (5)**
Full-time work experience as a regular staff member of a print publication, electronic media, public relations setting, advertising office, sports information operation, etc. Student 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. Student will also prepare written and oral reports. *Prerequisite: Approval of the academic adviser and director of the School of Journalism, a minimum of 75 hours of course work, and successful completion of the journalism internship workshop prior to registering for JRN 4489.*
- 4490 Internship/Field Experience (variable credit 1-7 hours. Only one credit hour may be applied to a major in journalism or broadcast journalism.)**
Full-time work experience as a regular staff member of a print publication, electronic media, public relations setting, advertising office, or sports information operation. Student 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. Student will also be required to prepare written and oral reports during the internship/field experience. *Prerequisites: Approval of the academic adviser and director of the School of Journalism. A minimum of 75 hours of course work. Corequisite: JRN 4489.*

- 4491-4492** **Guided Independent Research (1 to 3 credit hours per course per semester)**
 Additional information is indexed under Guided Independent Research and Study.
- 4493-4494** **Guided Independent Study (1 to 3 credit hours per course per semester)**
 Additional information is indexed under Guided Independent Research and Study.
- 4495** **Seminar (1-1)**
 Study of issues related to ethics in journalism, public relations and advertising. *Prerequisite: Senior standing or permission of the instructor.*

LATIN COURSES (LAT)

Note: For additional information, see Placement in Foreign Language Courses.

- 1131** **Introductory Latin I (3)**
 Introduction to the Latin language with emphasis on pronunciation, basic vocabulary, fundamentals of grammar, and graded readings.
- 1132** **Introductory Latin II (3)**
 Continuation of LAT 1131. *Prerequisite: LAT 1131.*
- 2231** **Intermediate Latin I (3)**
 Continuation of LAT 1131-1132. *Prerequisite: LAT 1132.*
- 2232** **Intermediate Latin II (3)**
 Continuation of LAT 2231, culminating in the reading of authentic passages from selected Latin authors. *Prerequisite: LAT 2231.*
- 3331** **Readings in Latin Literature (3)**
 Readings in a selected author, period, or genre. May be repeated for credit. *Prerequisite: LAT 2232.*

LAW COURSES (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.
- 3323** **Advanced Business Law (3)**
 This course provides a continued study of additional legal concepts, principles, and rules of law and equity that apply to business institutions. It provides an overview of commercial paper, business organizations, secured transactions, regulations of business, and real and personal property. *Prerequisite: Law 2221.*

LEADERSHIP COURSES (LDR)

- 1100** **Introduction to Leadership (3-3)**
 A survey of leadership theory, practice, and research. The course includes an investigation of leadership through studies of great leaders and thinkers. Learning about leadership is reinforced through practical exercises and experience in leadership.
- 4400** **Leadership Seminar (3-3)**
 A capstone course designed to synthesize leadership planning and experience and to orient developing leaders to the practical and ethical challenges awaiting them.

MANAGEMENT COURSES (MGT)

- 3371** **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. *Prerequisites: ECO 2252.*
- 3373** **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, quantitative methods of operations, 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: MGT 3371.*
- 3375** **Human Resource Management (3)**
 A survey of the major activities of human resource management function including recruiting, selection, placement, training, compensation, employee representation, and current issues. A prerequisite for 4000-level HRM courses. *Prerequisite: MGT 3371.*
- 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: MGT 3371 and MGT 3373.*
- 4471** **Organizational Development (3)**
 Examines the various applied behavioral science approaches to handling and managing change in organizations. Topics discussed include the theory, values, and approaches to organizational development, planned change, work styles, and interpersonal analysis. *Prerequisite: MGT 3371.*
- 4472** **Organizational Behavior (3)**
 A study of individual and group behavior in business organizations. *Prerequisite: MGT 3371.*

- 4473 Labor Law and Collective Bargaining (3)**
A study of court decisions, national labor and employment laws, administrative regulations, and procedures of the National Labor Relations Board that guide effective approaches to collective bargaining and labor relations. *Prerequisite: MGT 3371.*
- 4474 Business and Society (3)**
Focuses on the interrelationships which exist between business organizations and the environment in which they operate. Significant relationships of business and society in the past, present, and probable future will be examined. General areas discussed include business ethics, social responsibility, and relationships with government, education, and labor unions. *Prerequisite: MGT 3371.*
- 4475 Small Business Management (3)**
Detailed analysis of the creation and management of small business entities. The dynamics of operating small businesses successfully is presented. Emphasizes entrepreneurial opportunities, new venture processes, and managerial activities needed for the successful operation of small business. *Prerequisite: MGT 3371.*
- 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.*
- 4478 International Management (3)**
A survey and analysis of topics important to successfully managing internationalized 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. *Prerequisite: MGT 3371.*
- 4479 Management Seminar (3)**
Analysis of current problems and issues in management. *Prerequisite: MGT 3371.*
- 4480 Technology and Innovation Management (3)**
The course investigates the strategic implications of technology and innovation for manufacturing and service organizations that operate in dynamically changing environments. The course provides a comprehensive study of leading-edge product and process technologies, emerging organizational and social issues that influence the adoption of technology, methods for forecasting future trends in technology, and current concepts and methods for managing technology and motivating innovation. *Prerequisite: MGT 3373.*
- 4481 Staffing (3)**
Addresses theory, principles, practices, and legal requirements for effective recruitment, selection, and promotion in organizational settings. *Prerequisite: MGT 3371.*
- 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: MGT 3371.*
- 4483 Human Resource Development (3)**
Theory and practice in human resource training and development applied to organizational settings. *Prerequisite: MGT 3371.*
- 4485 Performance Appraisal and Compensation (3)**
Addresses theory, principles, practices, and legal requirements linking effective performance management and compensation and benefit systems in organizational settings. *Prerequisite: MGT 3371.*
- 4490 Total Quality Management (3)**
An overview of the strategies and means used by leading companies throughout the world to obtain outstanding quality results and strong competitive positions. Focuses on the continuous improvement of quality of product and service, and the resulting benefits in reduced costs, increased productivity, and higher levels of customer satisfaction. *Prerequisites: MGT 3373 and QM 3341.*
- 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: MGT 3371.*

MARINE BIOLOGY COURSES (MB)

Offered at Dauphin Island Sea Lab (DISL) only

Courses are offered during the summer semester only. Since course offerings change, check current DISL summer bulletin for specific course offerings and descriptions.

- 3301 Marine Biology (4)**
A general survey of marine plants, invertebrates, and vertebrates, the communities that they form and the physical and chemical factors that influence them. *Prerequisites: BIO 1101, L101, CHM 1143, L143.*
- 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.*
- 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, CHM L143.*
- 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.*

- 4406 Marsh Ecology (4)**
A study of the floral and faunal elements of various marine marsh communities. *Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.*
- 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.*
- 4416 Marine Fish Diseases (4)**
Introduction to aquatic animal diseases, specifically fin fish and shellfish. Student will learn practical microbiological techniques for isolation and identification. *Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.*
- 4418 Marine Behavioral Ecology (4)**
Examination of how animal behavior is influenced by and interacts with its environment, and the ecological and evolutionary significance of these behaviors in a marine setting. *Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.*
- 4421 Marine Technical Methods (2)**
An introduction to the techniques, instrumentation and equipment necessary to perform marine research, emphasizing field methods. *Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.*
- 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.*
- 4425 Coastal Ornithology (4)**
Study of coastal and pelagic birds with emphasis on ecology, taxonomy, and distribution. *Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.*
- 4426 Coastal Zone Management (2)**
A review of ecological features and management policies for coastal communities, with a description of relevant state and federal programs. *Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.*
- 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.*
- 4434 Marine Geology (4)**
A study of the geology of the ocean basins, with special emphasis on the continental shelves, their sediments, and the sedimentary processes at work there. *Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143, introductory geology and MTH 4423.*
- 4435 Coastal Geomorphology (2)**
An introduction to coastal sediment processes and applied geomorphology with emphasis on waves, tides, and sedi-
- ments. *Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.*
- 4437 Coastal Climatology (2)**
Study of the controlling factors and features of the world's climates, with particular attention to coastal areas and application and interpretation of climate data. *Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.*
- 4460 Introduction to Neurobiology (4)**
The study of the structure, development, physiology, and pharmacology of the nervous systems and sense organs. *Prerequisites: BIO 4478, L478, PHY 2253, L253.*

MARKETING COURSES (MKT)

- 3361 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.
- 3362 Advertising (3)**
The planning, creation, utilization, and place of advertising programs, media use, and research to support marketing strategy. *Prerequisite: MKT 3361.*
- 3363 Transportation Management (3)**
Management considerations in selection and effective utilization of various modes of transportation. *Prerequisite: MGT 3371; MKT 3361.*
- 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 3361.*
- 3365 Integrated Marketing Communications (3)**
Course examines integrated marketing communications and how this enhances brand equity. Emphasis is placed on the decision sequence a manager would follow in planning, developing, and implementing a marketing communications program. *Prerequisite: MKT 3361.*
- 4461 Personal Selling (3)**
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 3361.*
- 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 3361.*
- 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 3361.*

- 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 3361.*
- 4465 Business Logistics (3)**
A study of the procurement, warehousing, and transportation activities related to distribution system design, operation, and control. *Prerequisite MKT 3361.*
- 4466 Direct Marketing (3)**
Principles and techniques in planning, creating and producing consumer-direct communications to reach and deliver goods and services to customers. *Prerequisite: MKT 3361.*
- 4467 Sales Management (3)**
A study of the management of the personal selling functions. Emphasis is on the sales process including recruitment, training, organization, motivation and retention of sales force. *Prerequisite: MKT 3361.*
- 4468 International Marketing (3)**
Decision making and policy formulation relative to the cultural, social, political, legal and economic aspects of marketing in global environments. *Prerequisite: MKT 3361.*
- 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 SH in marketing courses beyond MKT 3361.*
- 4481 Internet Marketing I (3)**
Focuses on the opportunities and changes inherent in the Internet market. Includes a brief overview of the tools and technology that make it possible and how the Internet should and can impact marketing strategy. *Prerequisite: MKT 3361.*
- 4482 Internet Marketing II (3)**
A practicum cyber-incubator offered as an opportunity to manage a simulated business on the Internet. Skill development will focus on tools necessary to conduct business over the Internet. *Prerequisite: MKT 4481.*
- 4495 Selected Topics in Marketing (3)**
An in-depth study of a broad range of marketing topics. Individual investigations and reporting emphasized in seminar fashion. Focuses on a topic of a timely nature and/or special interest. *Prerequisite: MKT 3361.*
- 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 096. 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.*
- 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. This course will not substitute for any general studies requirement.*
- 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.*
- 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.*
- 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 include 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.*
- 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.*

MATHEMATICS COURSES (MTH)

- 0096 Pre-Algebra (3)**
Topics include operations with whole numbers, decimals, and fractions. Ratio, percent and equation solving will be

- 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 are covered in detail including approximations of error using differentials, maximum and minimum problems, and curve sketching using calculus. *Prerequisite: MTH 1115 or 1114, or advanced placement.*
- 1126 Calculus II (4)**
Topics include vectors in the plane and in space, line and planes in space, applications of integration (such as volume, arc, length, work, and average value), techniques of integrations, indeterminate forms, infinite series, polar coordinates, and parametric equations. *Prerequisite: MTH 1125 or advanced placement.*
- 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.*
- 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.*
- 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.*
- 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.*
- 2227 Calculus III (4)**
Topics include vector functions, multi-variable functions, partial derivatives and their applications, quadric surfaces, multiple integrations, and vector calculus, including Green's theorem, curl, divergence, surface integrals, and Stoke's theorem. *Prerequisite: MTH 1126 or advanced placement.*
- 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 ten, and problem solving. *Prerequisite: MTH 1110 or 1112. Note: Credit will not count toward any major or minor in mathematics.*
- 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.*
- 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.
- 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.*
- 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 or permission of instructor.*
- 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 protractor and compass. *Prerequisite: MTH 3318 or permission of instructor.*
- 3331 Linear Algebra (3)**
Matrices, systems of equations, determinants, eigenvalues and eigenvectors. *Prerequisite: MTH 1126 or permission of instructor.*
- 3364 Vector Calculus (3)**
Differentiation in several variables. Line and surface integrals. Potential theory and differential forms. *Prerequisite: MTH 2227.*
- 4412 Discrete Mathematics (3)**
Topics can include counting, graph theory, partitions, principle of inclusion and exclusion, finite geometries, applications of group theory, recurrence relations, generating functions. *Prerequisites: MTH 2227 and 3318.*
- 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 2227 and 3331, or permission of instructor.*

- 4424 Real Analysis I (3)**
The real number system, completeness, limits, continuity, sequences, differentiation, and the Riemann integral. *Prerequisites: MTH 2227 and 3318.*
- 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.*
- 4426 Complex Analysis (3)**
Complex numbers, elementary functions and their mappings, complex limits and power series, analytic functions, integrals, contour integral, and Cauchy integral formula. *Prerequisites: MTH 2227 and 3318 or permission of instructor.*
- 4436 Number Theory (3)**
Divisibility, congruencies, prime numbers, Fermat's theorem, Diophantine equations, number theoretic functions. *Prerequisites: MTH 2227 and 3318.*
- 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, or permission of instructor.*
- 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.*
- 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.*
- 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.*
- 4460 Topology (3)**
An introduction to metric and topological spaces and associated topics, separation axioms, compactness, and connectedness. *Prerequisites: MTH 2227 and 3318.*
- 4474 Internship in Mathematics Education (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: SED 4454.*
- 4481 Methods and Materials for the Secondary Teacher (4)**
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.
- 4491/4492 Guided Independent Research (3)**
Additional information is indexed under Guided Independent Research and Study.
- 4493/4494 Guided Independent Study (3)**
Additional information is indexed under Guided Independent Research and Study.

MEDICAL TECHNOLOGY COURSES (MT)

(Offered in hospital internship only)

- 4400 Clinical Urinalysis (1)**
The imparting of skills for performing and interpreting routine urinalyses as well as special urinalysis procedures.
- 4401 Clinical Urinalysis Lab (1)**
This lab section includes specimen handling, procedure manual, audio-visual, quality control, record keeping, and reporting system.
- 4402 Clinical Microbiology (4)**
This lecture course covers areas of bacteriology, mycology, and virology.
- 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.
- 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.
- 4405 Clinical Parasitology Lab (1)**
Use of the laboratory procedures and techniques for isolation and identification of parasitic organisms.
- 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.

<p>4407 Clinical Hematology Lab (2) Special studies and training involving cell counts, hemoglobin and hematocrit determinations, and other special hematology procedures.</p>	<p>1104b Leadership Lab (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.</p>
<p>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.</p>	<p>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 process, stress management, and physical fitness. <i>Co-requisite: MS 2204a.</i></p>
<p>4409 Immunohematology Lab (1) Blood banking studies and techniques. Clinical applications of procedures under direct supervision.</p>	<p>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. <i>Co-requisite: MS 2204b.</i></p>
<p>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.</p>	<p>2204a Leadership Lab (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.</p>
<p>4411 Clinical Serology Lab (1) In this lab, the student becomes proficient in running and interpreting serology (immunology) tests.</p>	<p>2204b Leadership Lab (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.</p>
<p>4412 Clinical Chemistry (6) This lecture course focuses on the principles and interpretations of biochemical analytical methods, clinical calculations, and quality control.</p>	
<p>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.</p>	

MILITARY SCIENCE AND LEADERSHIP COURSES (MSL)

<p>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. <i>Co-requisite: MS 1104a.</i></p>	<p>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. <i>Co-requisite: MS 3304a.</i></p>
<p>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. <i>Co-requisite: MS 1104b.</i></p>	<p>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. <i>Co-requisite: MS 3304b.</i></p>
<p>1104a Leadership Lab (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</p>	<p>3304a Leadership Lab (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.</p>

- 3304b Leadership Lab (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.
- 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. *Co-requisite: MS 4404a.*
- 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. *Co-requisite: MS 4404b.*
- 4404a Leadership Lab (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.
- 4404b Leadership Lab (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.
- 1103 Music Theory II (3-3)**
Study of modulation, secondary dominants, seventh chord resolution, two- and three-part forms, and intermediate-level analysis. *Prerequisite: MUS 1102. Co-requisites for music majors: MUS 1106 and 1108.*
- 1105 Class Piano I (1-2)**
Introduction to basic keyboard musicianship and music reading skills. Includes simple improvisation, harmonization and beginning chorale playing.
- 1106 Class Piano II (1-2)**
Development of intermediate-level keyboard skills, chorale playing, sight reading and transposition. *Prerequisite: MUS 1105.*
- 1107 Aural Skills I (1-2)**
Beginning sightsinging and rhythmic reading. Melodic, harmonic and rhythmic dictation, including intervals, chord qualities and simple/compound meters. Basic keyboard skills required.
- 1108 Aural Skills II (1-2)**
Intermediate level sight singing and rhythmic reading. Combined melodic and harmonic dictation, with inversions and mixed meter rhythms. Intermediate keyboard skills required. *Prerequisite: MUS 1107.*
- 1110-4427 Private Instruction (1 credit hour per semester, 1 lesson per week)**
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|---------------------|-------------|
| 1110 | Violin |
| 1111 | Viola |
| 1112 | Cello |
| 1113 | 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 | Guitar |

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.

- 1100 Basic Music Skills (2-3)**
Elements of music with emphasis on mastering the basic skills of musicianship. Music reading, orientation to the keyboard, sight-singing and dictation will be included. *NOTE: This course cannot be used in meeting degree requirements other than general electives. May not be taken concurrently with any other theory course.*
- 1102 Music Theory I (3-3)**
Study of fundamental characteristics of tonal music, including figured bass, transposition, four-part voice leading and basic analysis. *Prerequisite: Grade of C in MUS 1100 or acceptable score on placement test. Students must take placement test before enrolling in this sequence. Co-requisites for music majors: MUS 1105 and 1107.*

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).

- 1131 Music Appreciation (2-2)**
Orientation, vocal and instrumental media, forms, historical development and guided listening. Credit for this course does not apply toward any program in music.
- 1132 Honors Music Appreciation (2-2)**
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.*
- 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.
- 1182 Choir (1-3)**
Choral ensemble; open to all students by permission of director.
- 1183 Collegiate Singers (1-3)**
Select choral group devoted to performance of choral masterworks. *Prerequisite: Permission of director.*
- 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.
- 1192 Madrigal Singers (1-3)**
Performance of choral chamber music in a variety of styles, including Renaissance, 20th Century, jazz and pop. *Prerequisite: Audition with director.*
- 2202 Music Theory III (3-3)**
Principles of 16th century counterpoint and analysis of through-composed forms. *Prerequisite: MUS 1103. Corequisite for music majors: MUS 2207.*
- 2203 Music Theory IV (3-3)**
Compositional techniques and analysis of later romantic period works. Introduction to 20th century composition and analysis. *Prerequisite: MUS 2202.*
- 2207 Aural Skills III (1-2)**
Advanced sight singing and rhythmic reading. Contrapuntal dictation and transcription projects. Intermediate keyboard skills required. *Prerequisite: MUS 1108.*
- 2230 Survey of Music Industry**
An introduction to practices and inter-relationships of the music industry, such as retail, recording, distribution, legal aspects, publishing media and employment.
- 3300 History of Jazz (2-2)**
History of jazz and pop styles from 1900 to the present. Analysis of harmonic principles and common practices of each major period.
- 3301 Music History I (2-2)**
Evolution of music, stylistic characteristics of major movements and their relationship to literary, artistic and social trends. This course includes the pre-Christian, Romanesque, Gothic and Renaissance periods. *Prerequisite: MUS 1103.*
- 3302 Music History II (2-2)**
Includes composers, music literature, style characteristics and societal influences of the Baroque, Classic, Romantic and Post-Romantic periods. *Prerequisite: MUS 1103.*
- 3303 Music History III (2-2)**
Composers and musical works from Impressionism through the late 20th century, and the non-musical events which influenced them. Covers the wide diversity of mid-20th century styles, including Expressionism, Pandiatonicism, Atonality, Neo-Classicism, Serialism, Neo-Romanticism and others. *Prerequisite: MUS 1103.*
- 3305 Music Technologies (3-3)**
Study of the applications of the microcomputer to music teaching and to the management, planning, and record-keeping tasks of the music educator.
- 3306 Conducting (3-3)**
Basic conducting techniques for instrumental and choral groups. Includes score study, rehearsal techniques and interpretation of various styles. *Prerequisite: MUS 1103.*
- 3346 Educational Assessment in Fine Arts (3-3)**
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.*
- 3351 Class Brass (1-2)**
Group instruction in techniques of playing and teaching brass instruments.
- 3352 Class Woodwinds (1-2)**
Introduction to each of the principal woodwind instruments, emphasizing teaching techniques suitable for band classes.
- 3353 Class Percussion (1-2)**
Group instruction in playing and teaching the principal pitched and non-pitched percussion instruments.
- 3354 Class Strings (1-2)**
Group instruction in techniques of playing and teaching stringed instruments.
- 3356 Class Voice (1-2)**
Introduction to the use of the singing voice for non-voice principals in music education.
- 3358 Beginning Folk Guitar (1-2)**
Basic introduction to guitar chording and accompanying songs in the classroom or in informal settings.

- 3361 Integrating Music into the Curriculum (3-3)**
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.*
- 3364 String Orchestra (1-2)**
String ensemble open to all students with permission of director.
- 3365 Class Composition (1-3)**
Creative musical writing, criticism, and study of compositional techniques. *Prerequisite: Permission of instructor.*
- 3382 Choral Techniques (3-3)**
Organizational and rehearsal procedures, choral tone, diction and choral literature. *Prerequisite: MUS 1103 and junior standing.*
- 3384 Band Techniques (3-3)**
Rehearsal techniques, band pageantry, jazz band, instrument repair, and music literature for band. *Prerequisite: MUS 1103 and junior standing.*
- 3385 Symphony Band (1-3)**
Selective concert organization for performance of advanced literature for band and wind ensemble. *Prerequisite: Audition with director.*
- 3386 Jazz Ensemble (1-3)**
Selective ensemble for performance in a wide variety of jazz styles. *Prerequisite: Audition with director.*
- 4400, 4401, 4402 Selected Topics (1-3 credit hours per course)**
Detailed investigation of a specialized topic not covered in regularly offered courses, or an advanced section for intensive study.
- 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.
- 4451 Literature and Techniques of Musical Theatre (3-3)**
A survey of production techniques appropriate for school and college productions of operas and/or musicals.
- 4452 Opera Literature (3-3)**
Historical survey of major operas from all periods designed to increase appreciation and understanding of this dramatic art form.
- 4455 Survey of the Broadway Musical (3-3)**
Traces the origins and surveys major works of the Broadway musical repertoire.
- 4460 Music for the Exceptional Learner (3-3)**
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.*
- 4461 Orchestration and Arranging (2-2)**
Ranges, transpositions and other characteristics of standard instruments and voices. Arranging projects geared to needs of school instrumental and choral groups. *Prerequisite: MUS 2202.*
- 4470 Instrument Repair (2-2)**
Course includes basic musical instrument adjustment, maintenance and repair, common industry standards and guidelines, practical evaluation and hands-on adjustment and repair.
- 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.*
- 4472 Internship in Music Education (9)**
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: IED 4454.*
- 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.*
- 4491/4492 Guided Independent Research (1-3 credit hours per course)**
Additional information may be found under Independent Research and Study.
- 4493/4494 Guided Independent Study (1-3 credit hours per course)**
Additional information may be found under Independent Research and Study.
- 4499 Senior Recital (1-1)**
Final preparations and public presentation of the senior recital required of all music education majors.

MUSIC INDUSTRY COURSES (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.
- 3315 Song Writing (2)**
Study of basic skills and techniques of songwriting including melodic construction, harmonic progression, and lyric writing and revisions.
- 3320 Grant Writing/Funding for the Musical Arts (2)**
Identifying funding sources and creating effective grant proposals for music production and related activities.
- 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.
- 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.
- 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.
- 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.
- 4410 Arts Management/Concert Production (2)**
Study of the arts organization and the performing artist within a social and governmental context.
- 4420 Film Scoring (2)**
Examination of the process and preparation of digital music for film, digital video and animation.
- 4460 Senior Practicum (3)**
Culminating project and presentation in student's area of emphasis integrating internship, career placement and portfolio development
- 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.

4499 Music Industry Internship (9)

Placement in real-world work environment in the music industry. Supervised by a music industry faculty member.

NURSING COURSES (NSG)**(ASN Program)**

- 1110 Foundations of Adult Health Transition Practicum (2-4)**
Reviews the concept of human-environment interaction throughout the life span. Focuses on the role of the registered nurse in the application of the nursing process to assist individuals in adapting to common and altered health states. *Prerequisites:* Admission to Advanced Placement for LPNs; NSG 1135, 1151, MTH 1112, BIO 3347, L347, BIO 3348, L348, ENG 1101, PSY 3300, 2200, TROY 1101, and NSG 2213. *Co-requisite:* NSG 1140.
- 1131 Basic Nursing Concepts Practicum (4-8)**
Introduces the nursing process as a systematic approach to health promotion and maintenance. Includes the concept of human environment interaction throughout the lifespan, history of nursing, and concepts of healthcare delivery. Requires basic understanding of medical terminology. Focuses on the role of the registered nurse in the application of basic concepts, skills and techniques in simulated and reality settings. *Prerequisites:* ENG 1101, MTH 1112, PSY 2200, BIO 3347, L347. *Prerequisites or co-requisites:* NSG 1135, BIO 3348, L348.
- 1135 Health Assessment Practicum (1-2)**
Focuses on the assessment phase of the nursing process as a means of collecting data for use by the registered nurse. Accentuates gathering of knowledge and skills required to perform health assessments of patients through the life span. Provides opportunities for students to develop health assessment skills by performing health assessments of essentially well individuals at various levels through the life span. Includes communication of findings. *Prerequisites:* ENG 1101, BIO 3347, L347, MTH 1112, PSY 2200. *Prerequisite or corequisites:* BIO 3348, L348.
- 1140 Basic Nursing Concepts II (3-3)**
Builds on the concept of human-environment interaction throughout the life span. Focuses on the use of the nursing process to explore adaptive strategies of individuals to common and altered health states. *Prerequisites:* NSG 1130, 1131, 1135, 1151, 2213, BIO 3348, L348, PSY 3300, and TROY 1101. *Co-requisites:* NSG 1141 or 1110.
- 1141 Basic Nursing Practicum II (3-6)**
Focuses on the role of the registered nurse in application of the nursing process to assist individuals in adapting to common and altered health states. *Prerequisites:* NSG 1130, 1131, 1151, 1135, 2213, BIO 3348, L348, PSY 3300 and TROY 1101. *Co-requisites:* NSG 1140.
- 1151 Hospital Measurements (1-1)**
A practical approach to using mathematical computations in health-related situations. Focuses on mathematics computations as applied in selected health care settings.

Mastery of the use of different systems of measurement will be a priority. Includes an exam on computation of dosages and solutions, requiring completion with 85% accuracy. *Prerequisites:* ENG 1101, MTH 1112, PSY 2200, BIO 3347, L347.

- 2202 Pharmacology (2-2)**
Focuses on the general classification of drugs, pharmacological actions, clinical usage, methods of administration, usual dosage, side effects, contraindications, toxic reactions, and related nursing implications. *Prerequisites:* NSG 1140, NSG 1141 or 1110, and BIO 3372, L372.
- 2213 Nutrition (2-2)**
Introduces the concept of nutrition and its importance to health throughout the life span. Focuses on the study of the nutrients, nutritional assessment, nutrient-drug interactions and food safety. Considers dietary patterns of various cultural, ethnic and religious groups.
- 2255 Maternal-Infant Nursing (2-2)**
Focuses on the use of the nursing process in assisting the family during childbearing experiences. Explores adaptive strategies for individuals experiencing alteration in health states. *Prerequisites:* NSG 1140, 1141 or 1110, 2271, 2272. BIO 3372, L372. *Corequisite:* NSG 2256.
- 2256 Maternal-Infant Nursing Practicum (2-4)**
Focuses on the role of the registered nurse in the application of the nursing process to assist individuals and families to use adaptive strategies during childbearing. Utilizes antepartal, intrapartal, postpartal, neonatal, and community settings. Includes a basic IV therapy component. *Prerequisites:* NSG 1140, NSG 1141 or 1110, NSG 2271, NSG 2272, BIO 3372, L372. *Co-requisite:* NSG 2253.
- 2265 Nursing of Children (2-2)**
Focuses on the use of the nursing process in assisting the family during childrearing experiences. Explores adaptive strategies for individuals experiencing alteration in growth and development and health states. *Prerequisites:* NSG 1140, 1141 or 110, 2271, 2272. BIO 3372, L372. *Corequisite:* NSG 2266.
- 2266 Nursing of Children Practicum (2-4)**
Focuses on the role of the registered nurse in the application of the nursing process to assist children and their families to use adaptive strategies during childrearing. Applies concepts of growth and development in the care of children with altered health states including multiple disabilities. *Prerequisites:* NSG 1140, NSG 1141 or 1110, NSG 2271, NSG 2272, BIO 3372, L372. *Co-requisite:* NSG 2253.
- 2271 Psychosocial Nursing Concepts (2-2)**
Focuses on the role of the registered nurse in promoting the adaptation of individuals and families experiencing biopsychosocial stressors. *Prerequisites:* NSG 1130, 1131, 1135, 1151, 2213, BIO 3348, L348, PSY 3300, TROY 1101. *Co-requisites:* NSG 2272.
- 2272 Psychosocial Nursing Practicum (2-4)**
Focuses on the role of the registered nurse in the application of the nursing process in the care of individuals and families experiencing biopsychosocial stressors. *Prerequisites:* NSG 1130, 1131, 1135, 1151, 2213, BIO 3348, L348, PSY 3300, TROY 1101. *Co-requisites:* NSG 2271.
- 2280 Advanced Nursing Concepts (4-4)**
Provides advanced knowledge for care of individuals and families in adult developmental stages. Focuses on the role of the nurse in assisting the client to adapt to complex, multi-system stressors within the environment. *Prerequisites:* NSG 2202, 2253, 2256, 2266, 2282, 2283. *Co-requisite:* NSG 2281.
- 2281 Advanced Nursing Practicum (6-12)**
Provides opportunity to implement the nursing process to assist adult individuals and families with complex multi-system stressors. Emphasizes prevention and 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 refine nursing skills and develop more in-depth knowledge in a selected clinical area under the guidance of an approved professional nurse. *Prerequisites:* NSG 2202, 2253, 2256, 2266, 2282, 2283. *Co-requisite:* NSG 2280.
- 2282 Gerontological Nursing Concepts (2-2)**
Focuses on the adaptive responses of older adults with multi-system stressors within the human environment interactive system. Emphasizes the interrelatedness of internal and external dimensions. Discusses the use of the nursing process to maintain or improve quality of life for older adults. *Prerequisites:* NSG 1140, NSG 1141 or 1110, NSG 2271, NSG 2272, BIO 3372, L372. *Co-requisite:* NSG 2283.
- 2283 Gerontological Nursing Practicum (2-4)**
Focuses on the role of the registered nurse in the application of the nursing process to assist older adults with multi-system stressors in a variety of settings. *Prerequisites:* NSG 1140, NSG 1141 or 1110, NSG 2271, NSG 2272, BIO 3372, L372. *Co-requisite:* NSG 2282.

(BSN Program)

- 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.
- 1105 Medical Terminology (1)**
Develops the use of Latin and Greek prefixes, root words, and suffixes to understand medical terminology. Open to all majors.
- 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.
- 1160 Introduction to Technology in Nursing Education (1)**
Provides a foundation for using computer technology in learning; addresses digital communication, resources and research. General topics include communication through electronic mail and course discussion using the World Wide Web as an information tool, online scholarly research, and digital presentations. Course focus is the application of technology skills in learning. Open to all majors.
- 2201 Dosage Calculations (1)**
Calculations of medication dosages including conversions from one measuring system to another, symbols used in medication administration, and arithmetic computations. *Prerequisite: Admission to BSN Program or permission of instructor.*
- 2204 Nutrition (2)**
A study of the nutrients, their utilization in the body, and their importance in the health of individuals throughout the life cycle. Examines dietary patterns of various cultural, ethnic, and religious groups. Explores food safety and nutrition research. Open to all majors.
- 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.
- 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 throughout the life span. Includes dietary patterns of various cultural, ethnic, and religious groups, nutritional assessments and food safety. Open to all majors.
- 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.*
- 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.*
- 2285 Perspectives of Aging (2)**
Provides a psychological, physiological and sociological knowledge base for interacting with the aging client. Identifies senescence and alterations associated with the aging process. Examines the role of the older person within the human environment interactive system. Open to all majors.
- 3301 Pharmacology (2)**
Acquaints the student with the historical aspects of pharmacology, pharmacological terms, standards and controls, characteristics of various drug classifications, related nursing implications and the application of the nursing process to the pharmacological needs of the client. Open to all majors. *Prerequisites: CHM 1142, L142, BIO 3347, L347, 3348, and L348. Prerequisite or corequisite: NSG 3325/3326.*
- 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.*
- 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.*
- 3306 Perspectives of Professional Nursing (2)**
Introduces students to the principles, values and standards implicit in the profession of nursing. Explores past, present and emerging roles of professional nurses. Presents a practical approach to the development of critical thinking, testing and therapeutic communication skills. *Prerequisite: Permission of instructor.*
- 3309 Health Assessment (2)**
Focuses on the assessment phase of the nursing process as a means of collecting data for use in making nursing decisions. Emphasizes acquisition of knowledge and skills required to perform health assessments of individuals at various stages of life span development and to communicate health assessment data. Includes assessment of internal and external dimensions of individual health states. *Prerequisites: ENG 1101, 1102, BIO 3347, L347, 3348, and L348. Co-requisite: NSG 3310 (unless exempt because of ASN substitution credit).*
- 3310 Health Assessment Practicum (1-2)**
Provides opportunities for students to practice health assessments skills by performing health assessments of essentially well individuals at various stages of life span development. Includes analysis and communication of findings. *Prerequisites: ENG 1101, 1102, BIO 3347, L347, 3348, and L348. Co-requisite: NSG 3309.*
- 3313 Nursing Concepts I (3)**
Explores the relationship between life span development and adaptive responses in the human environment interactive system. Examines the biological, psychological, and socio-cultural dimensions of assisting individuals to meet basic health needs and introduces the concept of illness as an altered health state. Emphasizes the nursing process and the role of the nurse in diagnosing and treating hu-

- man responses to health promotion needs and common health alterations across the life span. *Prerequisite: Admission to BSN Program. Co-requisite: NSG 3314.*
- 3314 Nursing Concepts I Practicum (3-6)**
Provides clinical learning opportunities for students to incorporate biological, psychological, and sociological dimensions into the care of individuals who require assistance in meeting basic health needs and into the diagnosing and treatment of human responses to common health alterations across the life span. Focuses on human-environment interaction and emphasizes the use of the nursing process as a systematic approach to health promotion and the provision of illness and restorative care. *Prerequisite: Admission to BSN Program. Co-requisite: NSG 3313.*
- 3315 Pathophysiology (3)**
Explores the relationship between normal and altered physiology in human systems. Examines physiologic adaptive processes to internal and external environmental stressors. Emphasizes pathophysiologic manifestations of altered states of health. *Prerequisites: BIO 3347, L347, 3348, and L348. Open to all majors.*
- 3323 Maternal-Infant Health Nursing (3)**
Provides a knowledge base for care of childbearing families. Examines the childbearing family as a part of the human environment interactive system. Emphasizes the nurse's role in facilitating adaptive responses of the childbearing family during the antepartal, intrapartal and postpartal periods. *Prerequisites: Successful completion of all nursing courses in semesters I and II of BSN clinical nursing sequence. Co-requisite: NSG 3324.*
- 3324 Maternal-Infant Health Nursing Practicum (2-4)**
Provides clinical learning opportunities for students to provide nursing care for childbearing families. Emphasizes use of the nursing process as systematic approach to facilitate adaptive responses of the childbearing family during the antepartal, intrapartal and postpartal periods. *Prerequisites: Successful completion of all nursing courses in semesters I and II of BSN clinical nursing sequence. Co-requisite: NSG 3323.*
- 3325 Nursing Concepts II (3)**
Explores the relationship between life span development and adaptive responses in the human-environment interactive system. Continues to explore the concept of illness as an altered health state. Emphasizes the nurse's role in diagnosing and treating human responses (biological, psychological, and sociocultural) to common health alterations across the life span. *Prerequisites: Successful completion of all nursing courses in Semester I of BSN clinical nursing sequence. Co-requisite: NSG 3326.*
- 3326 Nursing Concepts II Practicum (3-6)**
Provides clinical learning opportunities for student to diagnose and treat human responses (biological, psychological, and socio-cultural) to common health alterations across the life span. Emphasizes the use of nursing process as a systematic approach to providing illness and restorative care. *Prerequisites: Successful completion of all nursing courses in Semester I of BSN clinical nursing sequence. Co-requisite: NSG 3325.*
- 3332 Child Health Nursing (3)**
Provides theoretical foundation for the nursing care of children. Examines the relationship between growth and development and the adaptive responses of children within the human-environment interactive system. Emphasizes the nurse's role in health promotion and maintenance, illness and restorative care for children of various ages. *Prerequisites: Successful completion of all nursing courses in semesters I and II of BSN clinical nursing sequence. Co-requisite: NSG 3333.*
- 3333 Child Health Nursing Practicum (2-4)**
Provides clinical learning opportunities for students to provide illness and restorative care for children experiencing alterations in health states. Emphasizes use of the nursing process in facilitating human adaptive responses to child health alterations. *Prerequisites: Successful completion of all nursing courses in semesters I and II of BSN clinical nursing sequence. Co-requisite: NSG 3332.*
- 3334 Psychiatric-Mental Health Nursing (3)**
Explores mental illness as an altered response to internal and external environmental dimensions. Examines selected theories of mental health and illness for use in nursing practice. Emphasizes the nursing process as a systematic approach to facilitating human adaptive responses to mental health alterations across the life span. *Prerequisites: Successful completion of all nursing courses in Semester I of BSN clinical nursing sequence. Co-requisite: NSG 3335.*
- 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 use of the nursing process in facilitating human adaptive responses to mental health alterations. *Prerequisites: Successful completion of all nursing courses in Semester I of BSN clinical nursing sequence. Co-requisite: NSG 3334.*
- 3336 Adult Health Nursing (3)**
Continues to explore the relationship between life span development and adaptive responses in the human environment interactive system. Continues to explore the concept of illness as an altered health state for the adult. Emphasizes the nurse's role in diagnosing and treating human responses (biological, psychological, and socio-cultural) to common health alterations across the lifespan. *Prerequisite: Successful completion of all nursing courses in semesters I and II of the BSN clinical nursing sequence. Co-requisite: NSG 3337.*
- 3337 Adult Health Nursing Practicum (2-4)**
Provides clinical learning opportunities for student to diagnose and treat human responses (biological, psychological and socio-cultural) to common health alterations across the life span. Emphasizes the use of the nursing process as a systematic approach to providing illness and restorative care. *Prerequisite: Successful completion of all nursing courses in semesters I and II of the BSN clinical nursing sequence. Co-requisite: NSG 3336.*
- 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 is-

sues 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.*

3350 Case Management in Healthcare (2)

This course provides the student with a beginning understanding of theoretical and practical information about case management. In addition, the course familiarizes the students with the roles of the case manager in the evolving health care climate of today. Open to all juniors and seniors in the College of Health and Human Services.

3370 Professional Nursing (2)

Provides Registered Nurse students the opportunity to explore the principles, values, standards, internal and external dimensions impacting the profession of nursing. Examines past, present, and emerging roles of the professional nurse. Examines theoretical foundations for implementation of the leadership/management role of the professional nurse. *Prerequisite: Current Registered Nurse license in Alabama and admission to the BSN Program.*

4405 Public Health Nursing (3)

Provides theoretical foundation for public health nursing practice. Explores the reciprocal relationship between environmental dimensions and public health. Emphasizes the nurse's role in the delivery of public health nursing care as well as community-based nursing care. *Prerequisites: All 3000-level nursing courses. Co-requisite: NSG 4406.*

4406 Public Health Nursing Practicum (2-4)

Provides clinical learning opportunities for students to manage the nursing care of individuals, families, groups, and communities. Emphasizes use of the nursing process in promoting and maintaining health of individuals, families, and communities. *Prerequisites: Successful completion of all nursing in semesters I and II of BSN clinical nursing sequence. Co-requisite: NSG 4405.*

4407 Clinical Nutrition (1)

A study of clinical nutrition applied to real-life situations with the focus on the human as a unique system affected by economic, ethnic, psychological and physiological stimuli. *Prerequisite: Admission to the BSN clinical nursing sequence.*

4413 Nursing Concepts III (3)

Examines individual and group responses to complex, multi-system stressors within the human-environment interactive system. Explores complex multi-system stress as crisis. Emphasizes the nurse's role in diagnosing and treating individual and group responses to complex, multi-system stressors across the life span. *Prerequisites: Successful completion of all nursing courses in semesters I, II, and III of the BSN clinical nursing sequence. Co-requisite: NSG 4414.*

4414 Nursing Concepts III Practicum (2-4)

Provides clinical learning opportunities for students to examine individual and group responses to complex, multi-system stressors, within the human-environment interactive system. Emphasizes use of the nursing process in diagnosing and treating individual and group responses to complex, multi-system stressors across the life span. *Prerequisites: Successful completion of all nursing*

courses in semesters I, II and III of the BSN clinical nursing sequence. Co-requisite: NSG 4413.

4415 Nursing Leadership/Management (2)

Provides the theoretical foundation for implementation of the leadership/management role of the professional nurse. Explores leadership/management theories and principles and the nature of organizations. Emphasizes strategies for utilizing leadership/management skills in various dimensions of the human-environment interactive system. *Prerequisites: Successful completion of all 3300-level nursing courses.*

4417 Senior Seminar (1)

Explores past, present, and emerging roles of professional nurses and examines internal and external dimensions affecting the nursing profession. *Prerequisites: Successful completion of all 3300 level nursing courses.*

4419 Research Process in Nursing (2)

Explores the steps in the research process and the legal and ethical considerations in the conduct of nursing research. Examines variation in research designs, types of measurement tools, validity, and reliability. The course concludes with application of existing research to nursing practice. *Prerequisite: Successful completion of all nursing courses in semesters I and II of the BSN clinical nursing sequence.*

4421 Senior Clinical Preceptorship (3-9)

Facilitates transition into the nurse generalist role by providing opportunities for students to refine nursing practice and leadership/management skills and develop more in-depth knowledge in a selected clinical area under the guidance of an approved preceptor. *Prerequisites: Successful completion of 3300 level nursing courses.*

4430 Advanced Nursing Theory (3)

Examines individuals and group responses to complex, multi-system stressors within the human environment. Explores complex multi-system processes. Emphasizes the nurse's role in diagnosing and treating individuals and groups in complex, multi-system stressors in acute care environments. *Prerequisites: Successful completion of all general studies requirements, NSG 3370, NSG 3309, NSG 3310, NSG 4405, NSG 4406, and NSG 4407. Co-requisite: NSG 4431.*

4431 Advanced Nursing Preceptorship (2-6)

Provides clinical learning opportunities for students to examine individual and group responses to complex, multi-system disease processes. Emphasizes diagnosing and treating individuals and groups in a variety of settings. *Prerequisites: Successful completion of all general studies requirements, NSG 3370, NSG 3309, NSG 3310, NSG 4405, 4406, and 4407. Co-requisite: NSG 4430.*

4493-4494 Guided Independent Study (1-3)

Additional information is indexed under Academic Regulations. *Prerequisite: Permission of instructor.*

PHILOSOPHY COURSES (PHI)

- 2201 Introduction to Political Philosophy (3)**
Major Classical sources of political thought and the application of these sources to contemporary political issues.
- 2203 Introduction to Philosophy (3)**
Brief history of philosophical ideas and the basics of Aristotelian logic.
- 2204 Ethics and the Modern World (3)**
An introduction to basic ethics and to contemporary ethical issues.
- 3301 Western Philosophy (3)**
Survey of philosophical ideas from the ancient Greeks through the 20th century.

PHYSICS COURSES (PHY)

- 2252 General Physics I (3)**
An introduction to the laws of mechanics and thermodynamics. *Prerequisite: MTH 1114 or 1115. Co-requisite: PHY L252.*
- L252 General Physics I Laboratory (1)**
Laboratory work emphasizes basic principles of mechanics and thermodynamics, the use of measuring instruments, and the interpretation of data. *Co-requisite: PHY 2252.*
- 2253 General Physics II (3)**
An introduction to the laws of optics, electricity and magnetism. *Prerequisite: PHY 2252, L252. Co-requisite: PHY L253.*
- L253 General Physics II Laboratory (1)**
Laboratory work emphasizes basic principles of electricity, magnetism and optics, the use of measuring instruments, and the interpretation of data. *Co-requisite: PHY 2253.*
- 2262 Physics I with Calculus (3)**
Principles and laws of mechanics and thermodynamics, utilizing the methods of calculus. *Prerequisite: MTH 1125. Co-requisite: PHY L262.*
- L262 Physics I with Calculus Laboratory (1)**
Laboratory work emphasizes basic principles of thermodynamics and mechanics, the use of measuring instruments, and the interpretation of data. *Co-requisite: PHY 2262.*
- 2263 Physics II with Calculus (3)**
Principles of electricity, magnetism and optics, utilizing the methods of calculus. *Prerequisite: PHY 2262, L262. Co-requisite: PHY L263.*

- L263 Physics II with Calculus Laboratory (1)**
Laboratory work emphasizes basic principles of electricity, magnetism and optics, the use of measuring instruments, and the interpretation of data. *Co-requisite: PHY 2263.*
- 4410 Modern Physics (3)**
Special relativity, quantum mechanics, and many electron systems. *Prerequisites: MTH 1125 and PHY 2253, L253 or PHY 2263, L263. Co-requisite: PHY L410.*
- L410 Modern Physics Laboratory (1)**
Selected experiments in modern physics. *Co-requisite: PHY 4410.*
- 4411 Advanced Modern Physics (3)**
Foundations of statistical physics, solid state physics, nuclear physics, elementary particles, astrophysics, and cosmology. *Prerequisite: PHY 4410*
- 4420 Mechanics (3)**
Kinematics and dynamics of particles and systems of particles. *Prerequisite: MTH 2227 and PHY 2253, L253 or PHY 2263, L263.*
- 4430 Electromagnetic Fields (3)**
Vector fields, dielectric and magnetic media, fields in conductors, electric and magnetic circuit elements. Maxwell's equations and boundary condition problems in one, two and three dimensions. *Prerequisite: MTH 2227 and PHY 2253, L253 or PHY 2263, L263.*
- 4459 Optics (3)**
The principles of geometrical and physical optics. Image formation, refraction, diffraction, origin of spectra, polarized light, and optical activity. *Prerequisite: PHY 2253 and L253 or PHY 2263 and L263. Co-requisite: PHY L459.*
- L459 Optics Laboratory (1)**
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. *Co-requisite: PHY 4459.*
- 4491-2 Guided Independent Research (1-4)**
A physics research project under the direction of a faculty member. The project must culminate in a written report with the results reported at a department seminar. *Prerequisite: Senior standing or permission of department chair.*
- 4493-4 Guided Independent Study (1-4)**
Independent study for advanced students under the direction of a faculty member. *Prerequisite: Permission of department chair.*
- 4495 Topics in Physics (3)**
Focus on a topic of timely nature and/or special interest. *Prerequisites: PHY 2253 and L253 or PHY 2263 and L263.*

POLITICAL SCIENCE COURSES (POL)			
2200	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.		3351
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.		3360
2241	American National Government (3) A study of the Constitution, federalism, the Presidency, Congress, the courts, and politics on the national level.		3364
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.		4402
3315	The Vietnam War (3) A study of the period 1946 to 1975 in Indochina with emphasis on the American involvement during and after the French colonial period, escalating involvement of the Kennedy and Johnson administrations, and Vietnamization and withdrawal under President Nixon. <i>Prerequisites: His 1111 and 1112.</i>		4410
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.		4415
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.		4420
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.		4421
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.		4422
3343	American Political Processes (3) This course examines key topics in U.S. politics, specifically looking at national problems, actors and proposed solutions.		4423
		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.	
		Contemporary Political Thought (3) This course examines recent areas of research in political theory, including current issues of debate on the state, democratic theory, liberalism, conservatism, and feminism.	
		State and Local Politics (3) An investigation of political processes and organization at the state and local level in the United States.	
		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.	
		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.	
		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.	
		Constitutional Law (3) A survey of the legal, political, and methodological problems in constitutional law.	
		Principles of 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.	
		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.	
		American Foreign Policy to 1920 (3) A study of the factors, forces and functions in the making of American foreign policy from the 1760s to the end of World War I.	

- 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.
- 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.
- 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.
- 4440 Political Sociology (3)**
An examination of the inter-relationship of social forces and politics, with an emphasis on institutions, political movements, sources and distribution of power, and public policy.
- 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.
- 4450 Latin American Politics (3)**
An introduction to the social and political institutions of Latin America
- 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.
- 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.
- 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.
- 4460 Intercultural Relations (3)**
An analysis of the influence of culture on interstate relations including theories, concepts, and applications.
- 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.
- 4466 Middle Eastern Politics (3)**
An introduction to the social and political institutions of the contemporary Middle East
- 4470 European Politics (3)**
An introduction to the social and political institutions of contemporary Europe.
- 4471 Intergovernmental Relations (3)**
The administrative, fiscal, and legal factors that govern relations between the various government entities in the United States. The focus is on the political conflicts that occur and the strategies for resolution.
- 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.
- 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.
- 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
- 4490 Internship in Political Science (1-3)**
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.*
- 4491-- 4492 Guided Independent Research (1-3 credit hours each)**
Additional information is indexed under Guided Independent Research and Study.
- 4493 – 4494 Guided Independent Study (1-3 credit hours each)**
Additional information is indexed under Guided Independent Research and Study.
- 4495 Selected Topics in Political Science (3)**
Examines selected topics of a timely nature and/or special interest within the field of political science.

PSYCHOLOGY COURSES (PSY)		
2200	General Psychology (3) A survey of the basic theories, concepts, principles, and research findings in the field of psychology.	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. <i>Prerequisite: PSY 3301.</i>
2201	Honors General Psychology (3) A survey of the basic theories, concepts, principles, and research findings in the field of psychology.	3312 Psychology of Women (3) The study of women's experience and gender issues in the context of psychological theory and research.
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.	3320 Child Psychology (3) The development of children from conception to puberty. Includes physical, cognitive, perceptual, language, social and emotional development.
2210	Developmental Psychology (3) A study of human development across the life-span with emphasis on psychosocial, physical, emotional, and cognitive changes.	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 <i>Diagnostic and Statistical Manual of Mental Disorders</i> . Includes such disorders as ADHD, conduct problems, anxiety, mood, mental retardation, and autism.
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.	3325 Adolescent Psychology (3) Adolescents from puberty to early adulthood. Includes physical, cognitive, social, emotional, and personality development in cultural context.
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. <i>Prerequisite: MTH 1110 or higher, with a grade of C or above.</i>	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.
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.	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. <i>Prerequisite: junior standing or above. NOTE: May be taken for psychology or sociology credit, but not both.</i>
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.	3340 Psychology of Learning (3) Introduction to learning and behavior in human and non-human animals, including fundamental principles and findings from laboratory investigations of classical, instrumental, cognitive, and social learning.
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. <i>Prerequisite: PSY 3301.</i>	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. <i>Prerequisite: Admission to TEP. NOTE: May not be used to meet the requirements for the psychology major or minor.</i>
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. <i>Prerequisite: Six semester hours of psychology and sophomore standing or above.</i>	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.

- 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.*
- 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.*
- 3370 Comparative Psychology (3)**
This course examines the development, causal mechanisms, evolutionary history, and function of the behavior of animals, including humans.
- 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.
- 3385 Evolutionary Psychology (3)**
An examination of human behavior and cognition from an evolutionary perspective.
- 3390 Special Topics in Psychology (3)**
An examination of selected topics or issues in psychology. May be repeated for credit when the course content varies. *Prerequisite: Six semester hours of psychology.*
- 4400 Advanced General Psychology (3)**
A comprehensive study of the discipline of psychology designed to expand the student's depth and breadth of knowledge in psychology. *Prerequisite: 15 semester hours of psychology.*
- 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.*
- 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.*
- 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.*
- 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.
- 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.*
- 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.*
- 4430 Introduction 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.
- 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.*
- 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.*
- 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.*
- 4450 Theories of Personality (3)**
Critical analysis of major theories and systems of personality. *Prerequisite: Six semester hours of psychology.*
- 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.*
- 4456 Gerontology (3)**
The study of aging. Emphasis on biomedical, psychological, and social aspects of middle and late adulthood.

4459 Applied Behavior Analysis (3)
 Training and experience in design, execution, and evaluation of behavior modification for professionals in fields of counseling, education, rehabilitation, and psychology. Provides study of key concepts of classical and operant conditioning, as well as discussion and application of specific strategies building on conditioning principles. *Prerequisite: Six semester hours of psychology.*

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.*

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.*

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.*

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.*

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.*

4492 Guided Independent Research (1-3)
 This course is designed to provide supervised research in the area of psychology. Opportunities for undergraduate research will be approved with attention to critical evaluations of research techniques, methods, and procedures. Selection of the problem must be approved by the professor under whom the study is to be conducted and the department chair or dean. A written request is to be submitted to the department chairperson 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.

4493 Guided Independent Study (1-3)
 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 chairperson and the dean. A written request is to be submitted to the department chairperson 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.*

4494 Guided Independent Study (1-3)
 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 chairperson and the dean. A written request is to be submitted to the department chairperson 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.*

QUANTITATIVE METHODS COURSES (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.*

3341 Business Statistics II (3)
 A continuation of basic business statistics. Topics include comparison involving means and proportions, ANOVA, simple linear regression and correlation, multiple linear regression, chi-squared applications, nonparametric methods, and simple decision analysis. *Prerequisite: QM 2241.*

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.*

READING/LITERACY COURSES (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.*

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.*

to be undertaken. May not be used to repeat a course for which a grade of D or below has been earned.

REHABILITATION COURSES (RHB)

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| <p>4481 Language and Literacy I (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. <i>Prerequisite: Admission to TEP.</i></p> | <p>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. <i>Prerequisite: MTH 1110 or 1112 and IS 2200.</i></p> |
| <p>4482 Language and Literacy II (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. <i>Prerequisite: Admission to TEP.</i></p> | <p>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. <i>Prerequisite: RHB 2280.</i></p> |
| <p>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. <i>Prerequisite: Admission to TEP.</i></p> | <p>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.</p> |
| <p>4484 Language and Literacy IV (3)
This course provides a study of teaching reading in grades P-12, emphasizing methods in the content areas. <i>Prerequisites: EDU 3310, 20 semester hours in the major, and admission to TEP.</i></p> | <p>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></p> |
| <p>4491-4492 Guided Independent Research (1-3)
Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. <i>Prerequisites: junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chairperson or dean. A written request is to be submitted to the department chairperson 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.</i></p> | <p>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></p> |
| <p>4493-4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills. <i>Prerequisites: junior or senior status, permission of guiding professor, approval of department chairperson and the dean. A written request is to be submitted to the department chairperson at least two weeks in advance of the term in which study is</i></p> | <p>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></p> |
| | <p>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></p> |
| | <p>3365 Introduction to Visual Impairment (3)
This course will provide an understanding of the medical, psychological, social, educational, and vocational issues</p> |

that professionals must understand in order to work effectively with persons who are visually impaired.

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.

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.

4405 Juvenile Rehabilitation and Counseling (3)

Treatment modalities, diagnostic techniques, intervention systems, concurrent problems, and counseling techniques with adolescents. Emphasis is upon evaluation of services, i.e., vocational, self-concepts, academic, psychotherapy, peer relations, group counseling, family relations, and life skill development.

4410 Rehabilitation Pre-practicum (1)

Preparation for RHB 4420. *Prerequisites: Completion of departmental core and Rehabilitation Program course requirements (except practicum).*

4420 Rehabilitation Practicum (12)

Provides experience in a rehabilitation setting 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 500 hours in a particular agency setting. *Prerequisites: Rehabilitation major, RHB 4410. Practicum site must be approved by instructor during RHB 4410.*

4450 Senior Seminar (2)

The impact of recent changes in federal and state legislation and the role and function of professional organizations and their positions on current issues. *Prerequisite: HS/RHB major with senior standing or permission of instructor.*

RELIGION COURSE (REL)

2280 World Religions (3)

Historical development and basic beliefs of the world's major religions.

RISK MANAGEMENT AND INSURANCE COURSES (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 home-

owner's package, insurance regulation, and the insurance marketplace.

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. *Prerequisite: RMI 3335 or permission of department chair.*

3342 Insurance Operations (3)

The focus of Insurance Operations is the key operational activities of insurance organizations. The course specifically covers marketing and distribution systems, underwriting, principles of rate-making, reinsurance, statutory accounting, and financial analysis. Each of the functional areas is discussed within the context of regulatory and public policy issues. *Prerequisite: RMI 3335 or permission of department chair.*

3346 Life and Health Insurance (3)

Study of types of life insurance and annuity contracts and their uses; regulations of life and health insurers; development of financial plans utilizing life insurance products; Social Security; group and individual health insurance products including major medical, disability income and long-term care policies and analysis of the marketplace. *Prerequisite: RMI 3335 or permission of department chair.*

3348 Property and Liability Insurance (3)

The fundamentals of commercial property and liability insurance including contracts, rating, underwriting, regulation and financial analysis of insurers. *Prerequisite: RMI 3335 or permission of department chair.*

4440 Corporate Risk Management (3)

A study of the analysis and treatment of the pure risks faced by the business organization. The course includes development of the risk management process, exploration of the use of various risk management techniques on identified exposures, and the application of the process and the techniques in a risk management case study. *Prerequisite: RMI 3335 or permission of department chair.*

4449 Risk Management and Insurance Seminar (3)

Focuses on current problems and issues in risk management and insurance. This is the capstone course in the Risk Management/Insurance curriculum and should be taken the senior year. The course will include communication, teamwork, and computer skills. *Prerequisite: RMI 3335 or permission of department chair.*

4460 Agency Management (3)

The Agency Management course is designed to teach the fundamentals of establishing and operating an insurance agency or brokerage. This is a project-oriented class wherein students develop mission statements, strategic plans, marketing plans, operating plans and time charts in the areas of forming the corporation, licensing, choosing a product mix, developing markets, planning technology, staffing, training, sales, handling claims, and other admin-

istrative functions. *Prerequisite: RMI 3335 or permission of department chair.* **4474**

SCIENCE COURSES (SCI)

2233 Physical Science (3)
Basic chemistry and physics for non-science majors. *Co-requisite: SCI L233. NOTE: Credit does not count toward a major in any science curriculum.*

L233 Physical Science Laboratory (1)
Laboratory experiments in basic chemistry and physics. *Co-requisite: SCI 2233.*

2234 Earth and Space Science (3)
Basic astronomy and geology for non-science majors. *Co-requisite: SCI L234. NOTE: Credit does not count toward any major in the sciences.*

L 234 Earth and Space Science Laboratory (1)
Laboratory experiments in basic astronomy and geology. *Co-requisite: SCI 2234.*

3335 Physical Geology (3)
Constructive and destructive processes which alter the earth. *Co-requisite: SCI L335.*

L335 Physical Geology Lab (1-2)
Laboratory studies of constructive and destructive processes which alter the earth. *Co-requisite: SCI 3335.*

3336 Principles of Astronomy (3)
Basic facts and theories related to astronomical phenomena. *Co-requisite: SCI L336.*

L336 Observational Astronomy Laboratory (1)
Star and constellation identification and observations using the telescope. *Co-requisite: SCI 3336.*

3340 Marine Science (3)
A study of the physical properties and organisms of the marine environment. *Co-requisite: SCI L340.*

L340 Marine Science Laboratory (1-2)
Laboratory study of the physical properties and organisms of the marine environment. *Co-requisite: SCI 3340.*

3350 Weather and Climate (3)
A study of the physical properties of weather and climate. *Co-requisite: SCI L350.*

L350 Weather and Climate Laboratory (1-2)
Laboratory study of physical properties of weather and climate. *Co-requisite: SCI 3350.*

4403 Conservation (3)
The conservation of natural and human resources with emphasis on population expansion as the major element in a changing ecology.

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. Co-requisite: SED 4454.*

4481 Methods and Materials for the Secondary Teacher (4)

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.

SECONDARY EDUCATION COURSES (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 demonstrate skills in utilizing measurement data to plan appropriate learning activities for students. *Prerequisite: Admission to TEP.*

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.

4454 Internship Seminar for Secondary Education (3)

This course provides seniors an opportunity during internship to examine broad educational issues and concerns, topics on the state and local levels and those of personal interest. The scope of the course ranges from juvenile law, classroom management, professionalism, professional development for teachers and other course topics. *Prerequisite: Admission to TEP. Co-requisite: SED Internship.*

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.*

4491-4492 Guided Independent Research (1-3)

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 chairperson or dean. A written request is to be submitted to the department chairperson 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.*

4493-4494 Guided Independent Study (1-3)
 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 chairperson and the dean. A written request is to be submitted to the department chairperson 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.*

4474 Secondary Internship in Grades 6-12 (9)
 The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: SED 4454.*

SOCIAL SCIENCE COURSES (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. *Prerequisite: general studies math.*

3376 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. *Prerequisite: general studies math.*

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, re-

flexive decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: SED 4454.*

4481 Methods and Materials for the Secondary Teacher (4)
 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.

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.

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 scientist 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.

SOCIAL WORK COURSES (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. *Prerequisite: HS 2230.*

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. *Prerequisite: MTH 1110 or 1112 and IS 2200.*

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.*

- 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.
- 3302 Social Service Resources (3)**
Examination of social welfare services and institutions, public and private, to include historical development, philosophical basis, structure, and function.
- 3303 Crisis Intervention (3)**
Case management techniques for dealing with crisis. Crisis theory, stress management, and time-limited intervention will be examined.
- 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.
- 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.
- 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.*
- 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.*
- 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.*
- 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. Co-requisite: SWK 4472.*
- 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. Co-requisite: SWK 4471.*
- 4480 Social Work Pre-Practicum (1)**
Preparation for SWK 4481. *Co-requisite: SWK 4471 and SWK 4472.*
- 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.*

SOCIOLOGY COURSES (SOC)

- 2230 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.
- 2275 Introduction to Sociology (3)**
Survey of basic sociological concepts and the effect of social phenomena on individuals, groups and institutions.
- 2290 Sociology of Marriage (3)**
The social, psychological, legal and practical aspects of marriage, emphasizing the sociological perspective in an examination of major issues relating to marital success.
- 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.
- 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.
- 3302 Sociology of 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.
- 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.

<p>3320 Work, Family, and Changing Sex Roles (3) Focuses on the overlapping worlds of work and family, emphasizing how the interaction of family-related issues, economic issues, and political issues influence and are influenced by the changing sex roles of women and men in American society.</p>	<p>4406 Urbanism (3) Historical, physical, economic, and social evolutions of urbanized areas. Emphasis on contemporary urban problems with implications for policy and planning. <i>Prerequisite: Twelve hours of social science.</i></p>
<p>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.</p>	<p>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. <i>Prerequisites: Twelve hours of social science.</i></p>
<p>3331 Family Relations (3) Study of family, its origin, development, and problems affecting marital relations and happiness.</p>	<p>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. <i>Prerequisite: Junior standing.</i></p>
<p>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.</p>	<p>4411 Demography and Population Analysis (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. <i>This course may be taken for geography credit.</i></p>
<p>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.</p>	<p>4412 Social Change (3) An in-depth analysis of social and cultural change from earliest times to the present with an exposition of the forces of both change and conservation, including technology. <i>Prerequisite: Junior standing.</i></p>
<p>3350 Social Anthropology (3) An investigation of a major sub-discipline of anthropology using primary readings from its founders and contemporary ethnographic research while using a social anthropological approach.</p>	<p>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.</p>
<p>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.</p>	<p>4420 Sociological Theory (3) Survey of sociological theory with emphasis on theorists, their works and contributions to modern sociological theory.</p>
<p>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.</p>	<p>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.</p>
<p>3380 Social Behavior (3) Analysis of social behavior based on empirical research. <i>Prerequisites: junior or senior standing and six hours of psychology, ENG 1102, or permission of instructor. NOTE: May be taken for psychology or sociology credit, but not for both.</i></p>	<p>4425 Intro to Survey Research (3) An introduction to the foundations of social research and the major types of research methods employed in sociology. <i>Prerequisite: Twelve hours in the social sciences to include one course in statistics and one course in research.</i></p>
	<p>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.</p>

- 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: Twelve hours of social science.*
- 4435 The Sociology of Complex Societies (3)**
A history and analysis of complex organizations from early to modern times.
- 4436 Social Evolution: Anarchy to Democracy (3)**
Social analysis of human history from bands to modern societies. *Prerequisite: Fifteen hours of social science.*
- 4440 Sociology and the Internet (3)**
Provides an overview of using the Internet for social science research and practice. *Prerequisites: Nine hours of social science.*
- 4441 The Sociology of Logic and Emotion (3)**
A study of the links between logic and emotions. *Prerequisite: Nine hours of social science.*
- 4456 Gerontology (3)**
A survey of the aged in America, with emphasis on the psychosocial aspects of aging.
- 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.
- 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.*
- 4491-4492 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.*
- 4493-4494 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.*
- 4495 Selected Topics (3)**
Designed as a vehicle for the exploration of topics of current interest within the major discipline of sociology.

SPANISH COURSES (SPN)

Note: For additional information, see Placement in Foreign Language Courses.

- 1141 Introductory Spanish I (3)**
Introduction to the Spanish language and Hispanic cultures.
- 1142 Introductory Spanish II (3)**
Introduction to the Spanish language and Hispanic cultures.
- 2241 Intermediate Spanish I (3)**
A review of grammar and readings in Spanish literature and civilization. *Prerequisite: SPN 1142 or equivalent.*
- 2242 Intermediate Spanish II (3)**
Reinforcement of grammatical skills, reading of simple Spanish prose and poetry, composition and conversation. *Prerequisite: SPN 2241 or equivalent.*
- 3332 Advanced Spanish I (3)**
Advanced-level reading, intensive work on composition, comprehensive treatment of Spanish phonetics. *Prerequisite: SPN 2242 or equivalent.*
- 3333 Advanced Spanish II (3)**
Advanced-level reading, intensive work on aural comprehension and practical conversation facility, continued development of composition skills. *Prerequisite: SPN 2242 or equivalent.*
- 3350 Hispanic Culture on Location I (3-TBA)**
An in-depth presentation of Hispanic culture combining lectures, readings, films, audiotapes, discussions and intensive language practice on the TROY campus with on-site visit to an Hispanic environment. *Prerequisite: Permission of the instructor.*
- 3357 Hispanic Culture on Location II (3-TBA)**
An in-depth presentation of Hispanic culture combining lectures, readings, films, audiotapes, discussions and intensive language practice on the TROY campus with

	on-site visit to an Hispanic environment. <i>Prerequisite: Permission of the instructor.</i>	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. <i>Prerequisite: Admission to TEP.</i>
4447	Readings in Hispanic Literature (3) In-depth study of the works of a selected major author, period or genre in the literature of Spain or Spanish America. <i>Prerequisite: SPN 2242 or equivalent. May be repeated for credit.</i>		
4450	Hispanic Culture and Civilization (3) A survey of the geography, history, cultural achievements, institutions and daily life of Spain and other Hispanic countries. <i>Prerequisite: SPN 2242.</i>	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, modifications, and classroom use of technologies to improve or bypass physical, sensory, communicative, learning, and social limitations will be explored. <i>Prerequisite: Admission to TEP.</i>
4491-4492	Guided Independent Research (1-3 credit hours per course per semester) Additional information is indexed under Guided Independent Research and Study.		
4493-4494	Guided Independent Study (1-3 credit hours per course per semester) Additional information is indexed under Guided Independent Research and Study.	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.
SPECIAL EDUCATION COURSES (SPE)			
(COLLABORATIVE TEACHER)			
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. <i>Prerequisite: Admission to TEP.</i>	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. <i>Prerequisite: Admission to TEP.</i>
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. <i>Prerequisite: Admission to TEP.</i>	3349	Introduction to Students with 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. <i>Prerequisite: Admission to TEP.</i>
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. <i>Prerequisite: Admission to TEP.</i>	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. <i>Prerequisite: Admission to TEP.</i>
		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. <i>Prerequisite: Admission to TEP.</i>

4454 Internship Seminar in Collaborative Teacher K-6 (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, and professionalism to professional development for teachers and other course topics. *Prerequisite: Admission to TEP. Co-requisite: SPE Internship.*

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.*

4474 Collaborative Teacher K-6 Internship (9)

The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: SPE 4454.*

4491-4492 Guided Independent Research (1-3)

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 chairperson or dean. A written request is to be submitted to the department chairperson 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.*

4493-4494 Guided Independent Study (1-3)

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 chairperson and the dean. A written request is to be submitted to the department chairperson 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.*

SPEECH COMMUNICATION COURSES (SPH)

2214 Debate-Forensics Participation (1-3) (May be repeated for credit)

Participation in a program of competitive public speaking and oral interpretation or related activities.

2241 Fundamentals of Speech (3-3)

Study of the principles and practices basic to all areas of oral communication.

2242 Advanced Public Speaking (3-3)

Study and application of advanced techniques of oral communication for those who show unusual presence or potential ability in public speaking. Note: Admission to the class will be determined on the basis of the instructor's evaluation of the student's basic oral communication skills. *Prerequisite: Advanced placement or SPH 2241.*

2243 Honors Fundamentals of Speech (3-3)

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.

2251 Voice and Diction (2-2)

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.

3321 Communication Theory (3-3)

Study of the nature of theory-building and communication theory, and of the major classifications of contemporary communication theories. *Prerequisite: SPH 2241 or permission of the instructor.*

3330 Interviewing (3-3)

Study of the principles and practices of professional and personal interviewing, with an emphasis on oral communication and related topics such as resume writing.

3341 American Public Address (3-3)

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 contents.

3342 Argumentation and Debate (3-3)

Study and application of the principles or argumentation and debate, including selected aspects of the management of a program of competitive forensics. *Prerequisite: SPH 2241 or permission of the instructor.*

3345 Group discussion and Leadership (3-3)

Study and application of the principles and practices of group problem solving through the study of the dynamics of discussion and group leadership.

4431 Interpersonal Communication (3-3)

Study of theories of communication behavior in relatively unstructured face-to-face situations, including small-group discussion. *Prerequisite: SPH 2241 or permission of the instructor.*

4441 Oral Interpretation (2-2)

Study and application of the principles and practices or oral interpretation (reading) of literature, including individual and ensemble performance. *Prerequisite: SPH 2241 or permission of the instructor.*

4442 Rhetoric (3-3)

Study of the historical development of rhetorical theory in Western thought from the classical to the contemporary periods and its relationship to practice and critics. The course includes opportunities for advanced public speaking and small-group discussion. *Prerequisite: SPH 2241 or permission of the instructor.*

4455 Speech Senior Capstone (2)

Design and execution of a major field-related or other research project and formal presentation of results thereof. Together with the taking of a comprehensive exit exam, the student will thereby demonstrate competency in the components of speech communication. *Prerequisite: SPH or permission of the instructor.*

4491-4492 Guided Independent Research (1-3 credit hours per course)

Additional information is indexed under Guided Independent Research and Study.

4493-4494 Guided Independent Study (1-3 credit hours per course)

Additional information is indexed under Guided Independent Research and Study.

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APPENDICES

TROY UNIVERSITY POLICY ON HARASSMENT

I. Statement of Philosophy

Troy University is proud of its tradition of friendly and congenial relations between students and employees (faculty, staff, and administrators). The University is committed to maintaining an environment that nourishes respect for the dignity of each individual and creates an atmosphere in which students and employees can interact productively. In keeping with these goals, harassment by anyone (whether in the classroom, the office, at a University sponsored function, or within any University environment) will not be tolerated.

II. Definition of Harassment

For purposes of Troy University's policy, harassment is defined as a course of 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, sexual orientation, color, pregnancy, disability, or veteran status. It can include comments or conduct by a person in a position of authority that is intimidating, threatening or abusive and may be accompanied by direct or implied threats to the individual's grade(s), status, or job. 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 prohibited grounds.

III. Sexual Harassment

For purposes of Troy University's policy, sexual harassment is defined as any type of sexually oriented misconduct that is unwelcome or inappropriate. Sexual harassment consists of unwelcome sexual advances, requests for sexual favors, and other verbal, graphic, or physical conduct of sexual nature when:

1. Submission to such conduct is explicitly, or implicitly a term or condition of a student's or employee's academic success or employment; or
2. Submission to or rejection of such conduct is used as the implicit or explicit basis for employment or academic decisions affecting the student's or employee's educational and/ or work experience; or
3. Such conduct has the purpose or effect of unreasonably interfering with a student's or employee's employment or academic performance, or creates an intimidating, hostile, or offensive work or educational environment.

Examples of sexual harassment include, but are not limited to:

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; and
16. continued advances of a sexual nature which are rejected, even after the parties break off a consensual relationship.

IV. Individuals Covered Under the Policy

Troy University's comprehensive harassment policy covers all employees, students, applicants, and others conducting official business with the University.

V. Procedures

A. Reporting a Complaint

Troy University encourages any person who believes he or she is a victim of harassment to try to resolve the problem informally with the person directly responsible for the harassment. This is not, however, a prerequisite for reporting or filing a complaint. The University also encourages those witnessing harassment to report such behavior.

The University recognizes that an individual may be reluctant and/or embarrassed to complain about harassment. As a consequence of this reluctance, the University provides the following reporting avenues:

1. A student may report a complaint to any member of the University's Harassment Response Team or the Student Services Office. Names and telephone numbers of the Harassment Response Team are available in the Office of Human Resources.
2. A faculty or staff member may report a complaint to the appropriate supervisor, dean, director, or vice chancellor who, in turn, will inform the complainant of the need to report the complaint to the Harassment Response Team. An individual who is uncertain about the appropriate person to whom the complaint should be addressed may direct the complaint to the campus Director of Human Resources. Names and telephone numbers of the Harassment Response Team are available in the Office of Human Resources.
3. University visitors may report a complaint to the campus Office of Human Resources or call the Troy campus Office of Human Resources at (334)670-3710.

4. At University College locations, the procedure for reporting will follow the same guidelines as 1. and 2. above with coordination through the Site Director (unless the Site Director is the accused or the accuser).
5. At the Phenix City campus, the procedure for reporting will follow the same guidelines as 1. and 2. above.

The Harassment Response Team members shall consist of seven members, which will include both males and females of various ages, classified personnel, professional staff, tenured and tenure-track faculty. When investigating a claim, the Harassment Response Team Chair shall appoint at least two members of the Team to conduct an investigation.

B. Confidentiality

The University recognizes the privacy rights of both the complainant and the accused in a harassment situation. Any allegation of harassment brought before a member of the Harassment Response Team will be handled discretely. Reasonable effort will be made to protect the privacy of the parties involved; 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. Participants in an investigation are authorized to discuss the case only with those persons who have a genuine need to know.

C. Filing a Complaint with the Harassment Response Team

The University encourages any person who files a complaint to do so promptly. The University also understands the complainant’s reluctance to file a complaint and assures the complainant that late reporting will not in and of itself preclude remedial action by the University. However, all cases must be reported to the Harassment Team within 180 days of the alleged harassment.

All complaints made to a member of the Harassment Response Team will be immediately put into writing, whether or not the complainant wishes to pursue the matter further. The written report of the complainant will be read, approved, and signed by the complainant. At this point, the complaint will be pursued further. Depending on this decision, one of two procedures will be followed:

1. If the complainant does not wish to continue with the complaint, the Harassment Response Team member will notify the accused that a complaint was filed. The accused will have the opportunity to respond to the allegations in writing. Both reports, the complainant’s and the accused’s, will be retained by the University. At this point, an informal resolution will be sought.
2. If the complainant wishes to continue the complaint and seek sanctions against the accused, the investigation process begins. (See section E)

An individual who believes he or she is a victim of harassment 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.

The University will retain confidential documentation of all allegations and investigations for a period of two years.

D. Protection Against Retaliation

Neither the University nor its employees or representatives will in any way retaliate against an employee or student who makes a report of harassment. Retaliation is a very serious violation of this policy and should be reported immediately. Retaliation against any individual for reporting harassment will be treated with the same strict discipline as the harassment complaint itself. All individuals involved in investigating the harassment, including the Harassment Response Team members and witnesses, are also protected from retaliation.

E. Investigating a Complaint

If a complainant wishes to pursue the complaint, (Section C.2) the investigation will begin. The investigation will be done in a timely manner. The investigation will be handled by the Harass-

ment Response Team member to whom the complaint was reported, with the assistance of at least one other Harassment Response Team member.

The University will notify the complainant and the accused, through the Harassment Response Team member, of the procedures that will be followed to allow for due process. Each party to the complaint will be notified that he or she may seek legal counsel at any time during the process.

In general the process will consist of the following procedures:

1. Interview complainant charging harassment.
2. Have complainant read, approve, and sign written report.
3. Notify accused of complaint. Interview and obtain written report from accused.
4. Interview witnesses to harassment.

F. Resolving the Complaint

The university is committed to investigating and resolving any complaint of harassment brought to the attention of the university. The results of the investigation, having been completed by members of the Harassment Response Team, will be forwarded to the appropriate body responsible for making the disciplinary decisions. (The Harassment Response Team only investigates and compiles information – the Team does not make recommendations for disciplinary action.)

Disciplinary procedures will vary as a result of the parties involved, i.e., the complainant and the accused. The parties involved may be a combination of students, faculty, staff, administrators, and individuals under contract by the university, or persons external to the university.

<u>Accused</u>	<u>Appropriate Body</u>
Student	Student Services Committee
Faculty	Provost/Executive Vice Chancellor Dean of College or School One faculty member Human Resources Director
Staff or Administrator	Senior Vice Chancellor of employee’s division Two staff employee members from the Personnel Advisory Committee Human Resources Director
Others associated with the Univ.	Vary depending on circumstances

Any individual involved in a complaint, as either complainant, accused, or witness, will be replaced by an appropriate person chosen by the sr. vice chancellor. In all cases, the individual accused will be allowed due process.

It is the responsibility of each body to determine whether the complaint has merit. Each body may decide that the complaint is without merit and recommend no disciplinary action. Alternatively, it may determine that the complaint is valid and will determine the appropriate disciplinary action. (See Sanctions)

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.

VI. Sanctions

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

VII. Appeals

A party who is not satisfied with the disposition of the findings of the Harassment Response Team may appeal to the Chair, Personnel Advisory Committee for a second review, and, if necessary, a formal hearing, in accordance with the hearing procedures outlined in the Faculty Handbook, Staff Handbook, or Oracle as appropriate.

VIII. Education and Training

The university commits to this policy by:

1. developing and reviewing the comprehensive policy on a timely basis;
2. annually communicating the policy to students and employees;
3. annually training and educating students and employees;
4. confidentiality, insofar as possible in investigating incidents;
5. documenting findings and maintaining records;
6. taking appropriate action when incidents occur.

Vice chancellors, deans, and regional directors will regularly inform those assigned to their respective divisions to become familiar with the Troy University Harassment Policy.

FALSE ACCUSATIONS

The University recognizes that the question of whether a particular course of conduct constitutes harassment requires a factual determination. The University also recognizes that false accusations of harassment can have serious effects on innocent persons. If an investigation results in a finding that a person who has accused another of harassment has maliciously, or recklessly made false accusations, the accuser will be subjected to appropriate sanctions, as listed above.

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 November 19, 1974;

E. Organizations conducting studies for, or on behalf of, educational agencies or institutions for the purpose of developing, validating, or administering predictive tests, administering student aid programs and improving instruction, if such studies are conducted in such a manner as will not permit the personal identification of students by persons other than representatives of such organizations and such information will be destroyed when no longer needed for the purpose for which it is conducted;

F. Accrediting organizations in order to carry out their accrediting functions;

G. Parents of a student who is a dependent for income tax purposes;

H. Pursuant to a lawful subpoena or court order;

I. Other appropriate persons in an emergency to protect the health or safety of the student or others. Students shall have access to all such information in accordance with the procedure outlined in this statement with the exceptions specified in paragraph "2" herein.

2. DEFINITION OF EDUCATIONAL RECORDS.

Student educational records are defined as those records, files, documents, and other materials which contain information directly related to a student and are maintained by the university or by a person acting for the university. Specifically excluded from the definition of "educational records" and not open to student inspection are the following materials:

A. Records of instructional, supervisory and administrative personnel which are in the sole possession of the maker and accessible only to the maker or a designated assistant to the maker;

B. Records of campus security, except in those instances where they have been transmitted within the university for administrative purposes;

C. Records which are created or maintained by a physician, psychiatrist, psychologist, or other recognized professional or para professional acting in a professional or para professional capacity, or assisting in that capacity, and which are created, maintained, or used only in connection with the provision of treatment to the student, and are not available to anyone other than persons providing such treatment or who could not be involved officially within the university, but such records are available to a physician or appropriate professional of the student's choice, if requested by the student.

3. DEFINITION OF STUDENT.

For the purpose of this policy, "student" means any person who has been enrolled in and is attending or has attended any course offering of Troy University. It does not include prospective students.

4. DIRECTORY INFORMATION.

The following categories of information with respect to each student have been designated by the university as directory information which may be made available to the public, absent a student's request that any such information should not be released without the student's prior consent:

A. Student's name, address, telephone number, and e-mail address;

B. Date and place of birth;

C. Last term attended Troy University, if any, and the most recent previous institution attended;

D. Major and minor fields of study, degree desired, classification (freshman, sophomore, junior, senior) and full-time or part-time status;

E. Participation in officially recognized activities;

F. Degrees and awards received (i.e., Deans' 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. Provost
- B. Vice Chancellor for Student Affairs
- C. Vice Chancellor for Financial 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.

COURSE PREFIXES (KEY TO ABBREVIATIONS)

ACT.....	Accounting	IS	Information Systems
AEG	American English Group	JRN.....	Journalism
ANT	Anthropology	LAT	Latin
ART.....	Art and Design	LAW	Law
AS.....	Aerospace	LDR	Leadership
AT	Athletic Training Education	MB.....	Marine Biology
BIO.....	Biology	MGT	Management
BUS.....	Business	MKT	Marketing
CDC	Cross Discipline	MSL.....	Military Science and Leadership
CHD	Counseling and Human Services	MT	Medical Technology
CHM.....	Chemistry	MTH	Mathematics
CJ	Criminal Justice	MUI	Music Industry
CLA.....	Classics	MUS	Music
COM.....	Communication	NSG	Nursing
CS.....	Computer Science	PHI.....	Philosophy
DRA	Dramatic Arts	PHY	Physics
ECE	Early Childhood Education	POL.....	Political Science
ECO.....	Economics	PSY.....	Psychology
EDU	Education	QM.....	Quantitative Methods
ELE	Elementary Education	RED	Reading/Literacy
ENG	English	REL.....	Religion
FIN	Finance	RHB	Rehabilitation
FRN	French	RMI.....	Risk Management and Insurance
GEM.....	Geomatics	SCI.....	Science
GEO	Geography	SED.....	Secondary Education
GER.....	German	SOC	Sociology
GRK	Greek	SPE	Special Education
HIS	History	SPH.....	Speech Communication
HON	University Honors Program	SPN.....	Spanish
HPR	Health and Physical Education	SS.....	Social Science
HS.....	Human Services	SWK	Social Work
IED.....	Interdisciplinary Education	TROY	Troy University

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