
2005–2006
Troy University
Undergraduate Catalog

Troy University
Troy, Alabama 36082
1-334-670-3000

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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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 explora-

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 semiannally. 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 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>>

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 Col-

The Division of Student Services
authority

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 or 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 vari

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 semester terms), or will not be allowed to enroll in subsequent semesters or terms.

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.

The maximum load for an unclassified student is 13 credit hours (7 hours in an accelerated semester). In the event the records indicate the student was not eligible for admission, course work will be changed to audit whether completed or in progress, and no refunds will be given and no academic credit awarded.

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

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.

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 condi-

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 their 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

International Programs:

1. The Admissions Application

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 presubmission to those regulations required for the course schedule, 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 cannot be counted in maximum or minimum load limits. Students cannot be 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 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 Compe-

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.

ance, as enumerated on the course syllabus provided by each faculty member. Faculty members make 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 instruction or 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

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Undergraduate honor students are awarded differentiated diplomas as follows:

- x Cum Laude: Grade point average of 3.40
- x Magna Cum Laude: Grade point average of 3.60
- x 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

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 appropriate department chair.

2. Accelerated Study for Superior Students

This opportunity permits enrollment in an accelerated or broadened program through the use of credit by exam or credit by transfer.

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

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.

Payment of Registration Expenses _____

TUITION AND EXPENSES · 24

refundable.

- x Housing application fee This fee is non-refundable.
- x Housing charges: Room/apartment rent is non-refundable once the term begins.
- x Board charges:

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 students receive some form

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

TROY UNIVERSITY FOUNDATION
SCHOLARSHIPS & LOANS

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 ~~Ma~~ 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 d (edirecthed)7.3(o(th)7.3(eed)7.3ia)-16(rectfor)624 of

FINANCIAL ASSISTANCE · 30

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

need and outstanding character. Recipients are selected by the Hall School of Journalism 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 senior who is a member of Tau Sigma and is an outstanding band member. Applications should be directed to the director of bands.

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 class Jordan M9 to st

SCHOLARSHIPS (Current)

Air Commando Association Scholarships are 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

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 dur-

Requirements: 31 ACT/1380 SAT 1 and 3.7 GPA/4.0 scale or National Merit Finalist/Semifinalist

X 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 full 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:

X 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.

X 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.

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 available 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 semesters 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

DEGREES AND REQUIRED CREDIT HOURS

Degrees

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

- x Associate of Arts
- x Associate of Science
- x Associate of Applied Science
- x Associate of Science in General Education
- x Bachelor of Arts
- x Bachelor of Science
- x Bachelor of Arts or Science in Business Administration
- x Bachelor of Arts or Science in Education
- x Bachelor of Music Education
- x Bachelor of Science in Nursing, and
- x 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) be completed as part of the departmental program(s) or as 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

¹ Bachelor of Arts Foreign Language Requirements: 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 maximum. 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

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	Mtg.	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	

DEGREES AND REQUIRED CREDIT HOURS · 38

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

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

Area III (11 hours)

- x 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

- x 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)

- x Students must complete a six-hour sequence in world/British/American literature or U.S. history/western civilization/world history.
- x 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 of basic study techniques, including strategies for planning personal success, outlining materials, and studying for and taking tests.

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. MembershipThe hce within tc 0wb1(sity)-7.10wb1((H)8.4(one7)6.6(thesnafindum7 -1.04 9())TJ4d)6.9(i)JT4e1for m

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

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 I - 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 GR OUP COURSES (AEG)

GRAMMAR COURSES

- 0083 Grammar I (5) For beginners and near beginners.
 Covers the verb, simple present tense, present progressive,

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,

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

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 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 offered at all locations.

Eligibility

Eligibility for enrollment in on(t)7.t[(appen(t TD C0219 Tw.cpmem Tw.ce1(nce)5.e o.2(t)-06.7(years))404 -1.0333 TD -0.2302 Tc 0..6(d

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 importance 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 English,33 Tb61ow [(7 -1.0333 TD 0.0407 Tc 0.1619 Tw [(9(g9(eiving)4.1varr)6.7s)-3.7(()6.6

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences views 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 of the 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.

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 sociology (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 Development
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 course 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

COLLEGE OF ARTS AND SCIENCES · 50

BIO 3326	(3)	Plant Diversity
BIO L326	(1)	Plant Diversity Lab
BIO 4402	(4)	Spring Flora
BIO 4425	(4)	Fall Flora

Select one zoology course with its corresponding lab:

BIO 3307	(3)	Invertebrate Zoology
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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

CHM L342 (1) Organic Chemistry I Lab

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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

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 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

ENG 1102 (3) English I
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

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 certification requirements.

Specialized General Studies Requirements

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

ENG 2206 (3) World Literature II
 Select one of the following:
 ART 1133 (2) Visual Arts
 MUS 1131 (2) Music Appreciation

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

ENVIRONMENTAL SCIENCE PROGRAM (55 HOURS)

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

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

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 one sequence (physics course 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

Select twelve hours of upper-level 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

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

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

COLLEGE OF ARTS AND SCIENCES · 58

BIO L452	(1)	Industrial Hygiene Lab
BIO 4479	(3)	Environmental Assessment
BIO L479	(1)	Environmental Assessment Lab

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

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

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

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

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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Area VI

Select any minor or area of concentration.

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

xEUROPEAN/ASIAN/AFRICAN EMPHASIS

Specialized General Studies Requirements

Area IV

Select a six hour sequence in ~~west~~ civilization or world history.

Select six hours of additional ~~Area~~ 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
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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

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

<u>Web Development Concentration (nine hours)</u>			MGT 4465	(3)	Business Logistics
IS 4430	(3)	Web Site Design	MGT 4480	(3)	Technology and Innovation Management
IS 4440	(3)	Database Management Systems II			
IS 4443	(3)	Internet Development	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.

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.

Select one upper level business course elective.

RISK MANAGEMENT AND INSURANCE MAJOR (30 HOURS)

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

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).

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

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>
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 enrolling 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 300-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 bscieachy completio[(rmen)6.1

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

0 TJ 0 -1.0333 TD 0.0011 Tc 0.0689 Tw [(dren's theatre))7.4(l)7.4(n)1.1(addition,)6.7(the)]TJ 12.98 0 TD 0 Tc 0

**This specialized concentration involves the designing of educa-

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

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

X 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 advisors concerning all certification requirements.

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

X 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 advisors concerning all certification requirements.

MUS 1181	(1)	Band
		Repeat twice for three credits
MUS 3351	(1)	Class Brass
MUS 3352	(1)	Class Woodwinds
MUS 3353	(1)	Class Percussion
MUS 3354	(1)	Class Strings
MUS 3356	(1)	Class Voice
MUS 3384	(3)	Band Techniques
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

X 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

COLLEGE OF COMMUNICATION AND FINE ARTS - 76

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

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. 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.

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

UNDERGRADUATE EDUCATION PROGRAM AVAILABILITY

	Dothan	Mont-gomery.	Phenix City	Troy	University College*
Non-certification Programs					
Psychology					
x Comprehensive Program (54 hours)				X	
x Major (36 hours)	X	X	X	X	X
x Minor (18 hours)	X	X	X	XX	

*consult University College site

PSYCHOLOGY		PSY 4402	(3)	Principles of Counseling		
<p>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 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.</p> <p>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.</p>		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		
PSYCHOLOGY MAJOR (36 HOURS)						
Specialized General Studies Requirements						
Area IV						

Select PSY 2200 or PSY 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

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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.

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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.

		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)

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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, sport and fitness management majors, and the Department of Athletic Training Education Pro-

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

TROY 1101	(1)	University Orientation	HS 3370	(3)	Professional Communication Skills
Select 2 hours of physical activity courses.			SWK 3302	(3)	Social Service Resources

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 advisor-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

COLLEGE OF HEALTH AND HUMAN SERVICES · 92

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

ACCOUNTING COURSES (ACT)

COURSE DESCRIPTIONS · 96

- 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

- 4411 High Civilizations of the New World (3) 1145 Foundations of Form and Space (3-3)
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 the degree of development. 1150 Introduction to the principles, elements, and concepts of two-dimensional space.
- 4420 Forensic Osteology (3) 2201 Foundations of Time and Space (3-3)
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. Introductory Drawing (3-3)
- 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.

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.

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- 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

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 2201 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.
- 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,

COURSE DESCRIPTIONS · 100

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, psychological 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 knowledge of the athletic training.

- 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.
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- 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 systematic classification and nomenclature, the use of dichotomous keys, and general herbarium techniques. Emphasis 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 watershed. 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 3320, L320, 3372, L372, CHM 3342, L342. Co-requisite: BIO L416.

- 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)

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- 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, 3320, 3372, L372, CHM

4493-4494 Guided Independent Study (1 - 3 credit
hours per course per semester)

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3382 Physical Chemistry II (3)
A continuation of CHM 3381 with an introduction to

- 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.

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- 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 or 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)

2221	Technical Theatre (2-3) A study of standard technical practices and equipment for the theatre.	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.
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, 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.	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.
3301	Acting I (2-3) A study of basic principles, terminology, and disciplines of the actor, including relaxation, concentration, movement, and characterization.	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.
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.	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.
3303	Makeup Techniques (1-2) A study of the theory and techniques of stage make-up. Includes makeup for theatre, film, and video.	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.
3304	Lighting Techniques (2-3) A study of stage lighting equipment and lighting practices.	3352	Sound Techniques (2-2) A study of digital and analog recording techniques, recording equipment, and application.
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 or forensic 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.	3354	Rendering Techniques for the Theatre (2-2) A study and application of additional and experimental techniques for theatrical rendering, including watercolor, markers, pastels, pencils, and other media.
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.	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
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.	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.

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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)
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The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience.

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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)

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

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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.	3341	Advanced Grammar (3) Detailed study of the structural system of English grammar. Prerequisite: 6 semester hours of 2000-level English courses
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 movie. Prerequisite: 6 semester hours of 2000-level English courses	3351	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 adjusting stylistic conventions of technical fields. to technical and scientific documents such as reports, proposals, and user manuals. Prerequisite: ENG 2260.
3301	Women's Literature (3) Representative works of literature by women. Prerequisite: 6 semester hours of 2000-level English courses	3352	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
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	3353	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
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	3354	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
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	3355	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
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	3356	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
3320	Introduction to Linguistics (3) Overview to linguistics, the scientific study of language. The course will acquaint students with the grammatical, social, biological, and technical applications of language. Prerequisites: ENG 1101, 1102	3357	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
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		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 Introduction to the Bible and Professional Writing (3)
 Introduction to the Bible and Professional Writing. Prerequisite: 6 semester hours of 2000-level English courses. Instructor: ommuhn

3373

- 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 ef

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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, 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 220 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 st0008 Tc [Tc 10..cons, epcne of 88(s)4(u)1.5(rvn.6(in))TJ 11.2 0 TD d 1.5(rvn.6oN I

	Prerequisite: MTH 1112 or equivalent and IS 2241, or consent of instructor.			
		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.
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 map analysis and testing, and spatial analysis.	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.
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.	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.
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 collection for practical design and field layout.			Prerequisite: IS 2240 and senior standing or consent of the geomatics program coordinator.
GERMAN COURSES (GER)				
4407	Land Development (1) Explores the concepts and problems associated with the design and construction of subdivisions and related infrastructure.			Note: For additional information, see Placement in Foreign Language Courses.
	Prerequisites: GEM 1100 or the equivalent, and GEM 4409. Co-requisite: GEM L407.	1121	Introductory German I (3)	Introduction to the German language and culture.
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.	1122	Introductory German II (3)	Introduction to the German language and culture.
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.	2221	Intermediate German I (3)	Emphasis on basic language skills and knowledge of German culture. Prerequisite: GER 1122 or equivalent.
	Prerequisite: GEM 1100 or the equivalent, MTH 1115. Co-requisite: GEM L409. Recommended completion of PHY 2253 or the 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.
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.			

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, basic1asis

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- 3391 Testing and Statistical Interpretation (3-3)
Test selection, analyzing test scores and measurement as a technique of evaluation in health education and physical education. Prerequisite: junior standing or above.
- 3392 Water Safety Instructor for the Handicapped (I-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 em.8067 0 TD 0.0027n. a(y.)6(i(y.)6()3.8(hav t)6.36(s)4.1(e)-.80s (or above.)Tj /TT4 1

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, cutting 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 HPR 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.

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- 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 a

- 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 Renais-

COURSE DESCRIPTIONS · 130

- 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 devel-

- 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

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- 3370 Professional Communication Skills (3)
Principles and techniques of interviewing for human services professionals. Major emphasis is the building of empathic skills.

- 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 a 2241 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 2244 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) 2260
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) 3300
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

weeks in advance of the term the research is to be undertaken.

**INFORMATION SYSTEMS COURSES
(IS)**

- Computer Concepts and Applications (3)
This course provides an interdisciplinary introduction to microcomputer literacy, word processing, spreadsheets, database, business graphics and the internet.

- 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).

- 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.

- 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. Prerequisite: IS 2244.

INTERDISCIPLINARY EDUCATION COURSES
(IED)

- 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. 4454
- 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. 4472
- 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; presentation of data relationships; data definition languages; data access via languages in context models; files provided by DBMSs; implementation techniques; optional requirements; a survey of state of the art DBMSs. Prerequisite: IS 3346 and IS 3330. 4491-4492
- 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. 4493-4494
- 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.

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 TE 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)

- 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 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. 100
- NOTE: Reasonable proficiency in keyboarding (25 wpm) is a prerequisite for all journalism courses except JRN 1101 and JRN 1103.
- 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.

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- 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 of 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)

- 3350 Advertising Sales (3-3)
Discussion of and practical experience in servicing accounts and selling advertisements. May require selling ads for the TropolitarPrerequisite: 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

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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

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<p>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.</p>	<p>4437</p>	<p>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.</p>
<p>4410 Introduction to Oceanography (4) A general introduction to the physics, chemistry, geology, and biology of the ocean Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.</p>	<p>4460</p>	<p>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.</p>
<hr/> <p>MARKETING COURSES (MKT)</p> <hr/>		
<p>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.</p>	<p>3361</p>	<p>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.</p>
<p>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.</p>	<p>3362</p>	<p>Advertising (3) The planning, creation, utilization, and place of advertising programs, media use, and research to support marketing strategy Prerequisite: MKT 3361.</p>
<p>4423 Marine Ecology (4) Lecture and laboratory studies of bioenergetics, community structure, population dynamics, predation, competition, and speciation in marine ecosystems Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.</p>	<p>3363</p>	<p>Transportation Management (3) Management considerations in selection and effective utilization of various modes of transportation Prerequisite: MGT 3371; MKT 3361.</p>
<p>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.</p>	<p>3364</p>	<p>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.</p>
<p>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.</p>	<p>3365</p>	<p>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.</p>
<p>4430 Dolphins and Whales (2) Lectures, audiovisual presentations, and practical exercises to guide students in further study of cetaceans Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143, BIO 4432, L432 or MB 4403.</p>	<p>4461</p>	<p>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.</p>
<p>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.</p>	<p>4462</p>	<p>Consumer Behavior (3) A study of the consumer as a decision maker. The course</p>
<p>4435 Coastal Geomorphology (2) An introduction to coastal sediment processes and applied geomorphology with emphasis on waves, tides, and sedi-</p>		

- 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 simulation. 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 an 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.

MATHEMATICS COURSES (MTH)

- 0096 Pre-Algebra (3)

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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. Prerequisite: MTH 1115 or advanced placement.

- 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 domain, integral domains, ideals, factor rings, divisibility in inte4441 I doma5.9(a)ns. 4.7(d)6.6(El5.9(e44.2(t)5.9(e tar)6.7()-5.3(,))TJ T* -.0002 Tc 0.0019 Tw [(phe
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COURSE DESCRIPTIONS · 142

- 4407 Clinical Hematology Lab (2)
Special studies and training involving cell counts, hemoglobin and hematocrit determinations, and other special hematology procedures.
- 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.
- 4409 Immunohematology Lab (1)

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.	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.
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.	1105	Class Piano I (1-2) Introduction to basic keyboard musicianship and music reading skills. Includes simple improvisation, harmonization and beginning chorale playing. Class Piano II (1-2) Development of intermediate-level keyboard skills, chorale playing, sight reading and transposition. Prerequisite: MUS 1105.
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.	1107 1108	Aural Skills I (1-2) Beginning sight-singing and rhythmic reading. Melodic, harmonic and rhythmic dictation, including intervals, chord qualities and simple compound meters. Basic keyboard skills required. 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.
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.	1110-4427	Private Instruction (1 credit hour per semester, 1 lesson per week)
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.	1110 1111 1112 1113 1114/2214/3314/4414 1115/2215/3315/4415 1116/2216/3316/4416 1117/2217/3317/4417	Violin Viola Cello String Bass Piano Organ Voice Cl /4et

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.

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COURSE DESCRIPTIONS · 144

<p>1131 Music Appreciation (2-2) Orientation, vocal and instrumental media, forms, historical development and guidelines. Credit for this course does not apply toward any program in music.</p>	3302	<p>social trends. This course includes the pre-Christian, Romanesque, Gothic and Renaissance periods. Prerequisite: MUS 1103.</p>
<p>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.</p>	3303	<p>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.</p>
<p>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.</p>	3305	<p>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.</p>
<p>1182 Choir (1-3) Choral ensemble; open to all students by permission of director.</p>	3306	<p>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.</p>
<p>1183 Collegiate Singers (1-3) Select choral group devoted to performance of choral masterworks. Prerequisite: Permission of director.</p>	3306	<p>Conducting (3-3) Basic conducting techniques for instrumental and choral groups. Includes score study, rehearsal techniques and interpretation of various styles. Prerequisite: MUS 1103.</p>
<p>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.</p>	3346	<p>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 various response modes is covered, and a series of assessments that can be implemented in the music/art classroom are developed. Prerequisite: Admission to TEP.</p>
<p>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.</p>	3351	<p>Class Brass (1-2) Group instruction in techniques of playing and teaching brass instruments.</p>
<p>2202 Music Theory III (3-3) Principles of 16th century counterpoint and analysis of through-composed forms. Prerequisite: MUS 1103. Co-requisite for music majors: MUS 2207.</p>	3352	<p>Class Woodwinds (1-2) Introduction to each of the principal woodwind instruments, emphasizing teaching techniques suitable for band classes.</p>
<p>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.</p>	3353	<p>Class Percussion (1-2) Group instruction in playing and teaching the principal pitched and non-pitched percussion instruments.</p>
<p>2207 Aural Skills III (1-2) Advanced sight singing and rhythmic reading. Contrapuntal dictation and transcription projects. Intermediate keyboard skills required. Prerequisite: MUS 1108.</p>	3354	<p>Class Strings (1-2) Group instruction in techniques of playing and teaching stringed instruments.</p>
<p>2230 Survey of Music Industry An introduction to practices and inter-relationships of the music industry, such as recording, distribution, legal aspects, publishing media and employment.</p>	3356	<p>Class Voice (1-2) Introduction to the use of the singing voice for non-voice principals in music education.</p>
<p>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.</p>	3358	<p>Beginning Folk Guitar (1-2) Basic introduction to guitar chording and accompanying songs in the classroom or informal settings.</p>
<p>3301 Music History I (2-2) Evolution of music, stylistic characteristics of major movements and their relationship to literary, artistic and</p>		

- 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.

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.

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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)

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bites, burns, and drowning. 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 re-

	<p>man responses to health promotion needs and common health alterations across the life span. Prerequisite: Admission to BSN Program. Co-requisite: NSG 3314.</p>	<p>3332</p>	<p>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.</p>
<p>3314</p>	<p>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.</p>	<p>3333</p>	<p>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.</p>
<p>3315</p>	<p>Pathophysiology (3) Explores the relationship between normal and altered physiology in human systems. Examines physiologic adaptive processes to internal and external environmental stressors. Emphasizes pathologic manifestations of altered states of health. Prerequisites: BIO 3347, L347, 3348, and L348. Open to all majors.</p>	<p>3334</p>	<p>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.</p>
<p>3323</p>	<p>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.</p>	<p>3335</p>	<p>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.</p>
<p>3324</p>	<p>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.</p>	<p>3336</p>	<p>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.</p>
<p>3325</p>	<p>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 socio-cultural) 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.</p>	<p>3337</p>	<p>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.</p>
<p>3326</p>	<p>Nursing Concepts I 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.</p>	<p>3340</p>	<p>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-</p>

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. L263
- 2203 Introduction to Philosophy (3) 4410
Brief history of philosophical ideas and the basics of Aristotelian logic.
- 2204 Ethics and the Modern World (3)
An introduction to basic ethical and to contemporary ethical issues. L410
- 3301 Western Philosophy (3)
Survey of philosophical ideas from the ancient Greeks through the 20th century. 4411

- Physics II with Calculus Laboratory (1)
Laboratory work emphasizes basic principles of electricity, magnetism and optics, and use of measuring instruments, and the interpretation of data. Co-requisite: PHY 2263.
- 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
- Modern Physics Laboratory (1)
Selected experiments in modern physics. Co-requisite: PHY 4410.
- Advanced Modern Physics (3)
Foundations of statistical physics, solid state physics, nuclear physics, elementary particles, astrophysics, and cosmology. Prerequisite: PHY 4410

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 the 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, and 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 the 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.

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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, inte

<p>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.</p>	<p>4465</p>	<p>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.</p>
<p>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.</p>	<p>4466</p>	<p>Middle Eastern Politics (3) An introduction to the social and political institutions of the contemporary Middle East</p>
<p>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.</p>	<p>4470</p>	<p>European Politics (3) An introduction to the social and political institutions of contemporary Europe.</p>
<p>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.</p>	<p>4471</p>	<p>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.</p>
<p>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.</p>	<p>4472</p>	<p>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, presiding, 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.</p>
<p>4450 Latin American Politics (3) An introduction to the social and political institutions of Latin America</p>	<p>4474</p>	<p>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.</p>
<p>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.</p>	<p>4476</p>	<p>Politics of Southeast Asia (3) This course involves the study of politics in the Philippines, Indonesia, Vietnam, Laos, Cambodia, Malaysia, Singapore, Brunei, Myanmar, and Thailand. It investigates the historical and cultural factors contributing to their political relationships within the region and internationally</p>
<p>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.</p>	<p>4490</p>	<p>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.</p>
<p>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.</p>	<p>4491-- 4492</p>	<p>Guided Independent Research (1-3 credit hours each) Additional information is indexed under Guided Independent Research and Study.</p>
<p>4460 Intercultural Relations (3) An analysis of the influence of culture on interstate relations including theories, concepts, and applications.</p>	<p>4493 – 4494</p>	<p>Guided Independent Study (1-3 credit hours each) Additional information is indexed under Guided Independent Research and Study.</p>
<p></p>	<p>4495</p>	<p>Selected Topics in Political Science (3) Examines selected topics of a timely nature and/or special interest within the field of political science.</p>

PSYCHOLOGY COURSES (PSY)

2200 General Psychology (3)
A survey of the basic theories, concepts, principles, and research findings in the field of psychology.

2201 Honors General Psychology (3)
A survey of the basic theories, concepts, principles, and research findings in the field of psychology.

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.

2210 Developmental Psychology (3)
A study of human development across the life-span with emphasis on psychosocial, physical, emotional, and cognitive changes.

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.

3301 Basic Statistics (3)
An introduction to descriptive and inferential statistical concepts, methods, and tools.

Topics to be covered: Descriptive statistics (the mean, standard deviation, normal distribution, etc.) Inferential statistics (hypothesis testing, confidence intervals, etc.)

- 3360 Forensic Psychology (3) 4410 Business and Industrial 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. Application of psychology in business and industry, including employee selection, performance appraisal, motivation, organizational psychology
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- 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.

Administrative functions Prerequisite: RMI 3335 or permission of department chair.

SCIENCE COURSES (SCI)

- 2233 Physical Science (3)
Basic chemistry and physics for non-science majors.
Prerequisite: 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.
Prerequisite: 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.

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3301 Children and Family Services (3)

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- 3320 Work, Family, and Changing Sex Roles (3)
Focuses on the overlapping worlds of work and family,

- 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 emotion. 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 de-

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on-site visit to an Hispanic environment. Prerequisite: Permission of the instructor.

- 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. Prerequisite: SPN 2242 or equivalent. May be repeated for credit.
- 4450 Hispanic Culture and Civilization (3)
A survey of the geography, history, cultural achievements, institutions and daily life of Spain and other Hispanic countries. Prerequisite: SPN 2242.
- 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.

**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. Prerequisite: Admission to TEP.

- 3306 Teaching Students with Mild Disabilities (3)
This course will focus on teaching students with mild disabilities. Prerequisite: Admission to TEP.

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.

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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.

may be taken concurrently with TEP 4454. Prerequisite: Admission to TEP.

Prerequisite: Admission to TEP. Co-requisite: SPE Internship.

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- 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 of 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

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Chief of University Police Rod Anderson, B.S.

See the General Information section of this catalog for information regarding endowed chairs and professorships.

FACULTY

- Abbey, Robert F. Jr. Associate Professor University College, Ft Myers, Fla.
- Aisami, Riad S. Assistant Professor University College, Augusta, Ga.
- Albritton, James S. Associate Professor College of Arts and Sciences, Troy
- Aldridge, Susan Vice Chancellor, University College Office of the Provost, Troy
- Allard, Catherine L. Professor College of Communication and Fine Arts, Troy
- Allen, Geraldine Associate Professor College of Health and Human Services, Troy
- Allen, Pamela S. Associate Professor College of Communication and Fine Arts, Troy
- Allen, Tina Kathalyn D. Assistant Professor College of Health and Human Services, Montgomery
- Amponsah, David K. Associate Professor Sorrell College of Business, Troy
- Anderson, Holly H. Assistant Professor College of Arts and Sciences, Troy
- Anderson, John H. Associate Professor College of Health and Human Services, Troy
- Anderson, Terry Anne Associate Professor University College, Florida Distance Learning
- Andrews, Amanda K. Assistant Professor College of Health and Human Services, Troy
- Andrews, Carolyn J. Assistant Professor College of Health and Human Services, Troy
- Arellano, Benito M. Associate Professor College of Health and Human Services, Troy
- Ash, Charles G. Assistant Professor College of Health and Human Services, Troy
- Astone, Mary K. Assistant Professor Sorrell College of Business, Troy
- Assoc2T, College of Health3uhna2hp Charles G. 4G.

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Troy

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Fine Arts, Troy

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Morrison, Rodger Glenn Instructor, Sorrell College of Business, Mont-
gomery

Mosley, Gordon G. Assistant Professor Sorrell College of Business, Troy

Moten, Sebrena R. Assistant Professor, Sebrena R.

Assistant Gle7(Professor)JTJ /TT2 1 Tf 8.0301 0 TD 0.0005 Tc -0.0024 T, Universityrena

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 a 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 slurs, 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 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

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

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 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

15. COST OF COPIES.

Any copies of records furnished at the request of a student shall be subject to the payment of a reasonable fee, to be established by the university from time to time, for such service.

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