

Policy Statement

This catalog is the official announcement of the program requirements, and regulations of the University, and students enrolling in the University are subject to the provisions as stated. Fees and other charges, courses, requirements, and conditions are subject to change without notice. The University reserves the right to cancel any class or section for insufficient enrollment. Although the publication of this catalog has made

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Troy University
Undergraduate Catalog

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

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Academic Support

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

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

Alumni Association

The Troy University Alumni Association's sole purpose is to establish mutually beneficial relations between Troy University and its alumni. Alumni Affairs coordinates the activities of this association, promotes alumni services, and establishes scholarships. In addition, Alumni Affairs maintains and updates alumni records and broadens communication between alumni and the university. Through these activities and services, the university is able to respond to the needs of its constituents thus enabling alumni to respond to the needs of the university. Additional information regarding these activities and services can be obtained by calling Alumni Affairs at (334) 670-3318 or 1-800-414-5756.

Centers and Institutes

Center for Design, Technology and Innovation

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

Center for International Business and Economic Development

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

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

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

Troy University's athletic facilities are among the finest in the nation. The Tine Davis Field House is home to the administrative staff and football coaches. It features a 150 seat auditorium (the Elizabeth Mills Rane learning Center) and the Ben F. Beard Recruiting Lounge as well as locker rooms and several meeting rooms.

Adjacent to the Davis Field House is Movie Gallery Veterans Stadium which includes the Douglas Hawkins Press Box, home to a 10,000 square foot strength and conditioning center, state-of-the-art athletic training center and Student-Athlete Academic Support Center as well as a Stadium Club and 38 private suites for fans to enjoy home football games.

Next to Movie Gallery Veterans Stadium is the newly renovated

Misconduct Defined

By enrollment at the University, a student or organization neither relinquishes rights nor escapes responsibilities of local, state, or federal laws and regulations. The STANDARDS OF

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21. Failure to promptly comply with directions of university officials (faculty, staff or student employees) or law enforcement officers acting in the performance of their duties as such officials and officers.
22. Participation in setting or causing to be set any unauthorized fire, entering false fire alarms, or bomb threats, tampering with fire extinguishers, alarms, or other safety or fire-fighting equipment, failure to evacuate or immediately respond to a fire alarm.
23. 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.
24. Conviction of any misdemeanor or felony that adversely affects the educational environment of the University.
25. Violation of any university policies or regulations as published or referred to in the Student Handbook, including, but

not limited to, those governing the time, place and manner of public expression; the registration of student organizations; the use of university facilities; occupation and visitation of residence halls and other housing owned or controlled by the university; and the use and parkof the ma L9-.8(iC 2586aci)6(5tPmot056v(

ADMISSION REQUIREMENTS

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

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

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

If fraudulent information is discovered on the application form, the student may be administratively withdrawn.

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

Beginning Freshmen

Beginning freshmen are defined as applicants who have attempted less than 24 credit hours of coursework at other colleges or universities.

A. Unconditional Admission

Beginning freshmen who are graduates from an accredited and/or state approved high school or who have earned a state issued GED (General Education Diploma) may be granted unconditional admission with proof of an acceptable test score (19 on the

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

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

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

Transfer Credit from Foreign Universities

Students seeking transfer of credits from a foreign university must request an official credit evaluation from the Troy University International Admissions Office.

Students may use one of two methods for an official credit evaluation:

1. Present to the Troy University Admissions Office original transcripts including an English translation and university prepared course descriptions for courses the student desires to transfer. Using established University protocols, the International Admissions Office will determine if the foreign university is considered equivalent to a U.S. regionally accredited university and will authenticate all submitted documents. When appropriate, the International Admissions Office will translate the credit value of each course(s) being petitioned for transfer into U.S. equivalents.
2. Request an official evaluation from AACRAO or ECE by submitting transcripts and course descriptions. The official evaluation, along with the original transcripts, must be presented to the Troy University International Admissions Office.

English Proficiency Requirements for Admitted Students

The ACT Compass ESL test will be administered to admitted students who do not meet English proficiency requirements for first time and transfer students.

Placement in English as a Second Language classes or into academic classes will be based on attainment of identified cut-off scores on this test. Contact the Center for Int

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

ACADEMIC REGULATIONS

Academic Year

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

Associate Degrees

Course Requirements

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

Credit Hours

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

1. A minimum of 60 semester hours.
2. At least 50% of the degree program must be traditional academic credit (excludes credit by correspondence, challenge exams, etc.).
3. No more than 25% of the degree may be earned using portfolio-based credit. (See *Cross Discipline Courses* for additional information.)
4. At least 25% of the credit hours required for the degree must be completed in residence with Troy University. See the Academic Evaluation available on Trojan Web Express.
5. Nine semester hours must be completed in residence at Troy University in the major area of concentration. (See *Residency Credits* for additional information.)

Grade Point Average

1. A candidate for graduation must have an overall C average (2.0 on a 4.0 scale) on Troy University courses.
2. A candidate for graduation must have an overall C cumulative average (2.0 on a 4.0 scale).
3. A candidate for graduation must have a C average in the concentration. This 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).

Second or Subsequent Associate Degrees

The following policies apply to second or subsequent associate degrees:

No more than one Associate of General Education degree may be earned.

Credit earned in a concentration or major may be used to meet the requirements of only one associate degree.

Credit earned in a concentration or major may not be used retroactively to satisfy the requirements of another associate degree.

Only one degree will be conferred on a student at any term/semester.

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

1. Complete the first degree as certified by the registrar.
2. Declare a new program of study after the first degree has been certified as completed by the registrar.
3. Earn an additional 15 semester hours in residence in the declared program (see residency credit)
4. File an Intent to Graduate form with the registrar as prescribed in the class schedule.

5. Meet all current requirements for the second or subsequent degree. An associate degree cannot be declared once a baccalaureate degree has been awarded in the same program.

Attendance Policy

Students receiving financial assistance are required to attend classes according to the regulations for financial assistance benefits in addition to those regulations required for the course.

Auditing a Course

A student may audit any Troy University course by indicating at the time of registration that the course will be audited. No credit will be given, and fees will be assessed based on the audit credit-hour rate. Audit hours are not counted in maximum or minimum load limits. Students are not permitted to change from audit to credit after the last day to add a course, or from credit to audit after the last day for dropping a course, without academic penalty.

Baccalaureate Degrees

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

Course Requirements

In order to receive the baccalaureate degree, the student must

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3. Earn an additional 30 semester hours in residence in the declared program (see residency credit.)
4. Earn a minimum of twelve semester hours (beyond the previously earned degree) in the major field.
5. File an Intent to Graduate form with the registrar as prescribed in the class schedule.
6. Meet all current requirements for the second or subsequent degree.

Institutional Assessment of Student Academic Performance

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

Class Section Cancellation

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

Classification

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

College Credit

Regular Credits

College credits are expressed as semester hours or credit hours.

Laboratory Credits

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

Credit by Examination

Credit is allowed for CLEP, General and Subject Examinations, the Advanced Placement program, IB, AICE, and DANTES examinations as approved by the Academic Council and department chairs. The number of credits allowed for satisfactory performance on the general examinations may vary.

Summer Semesters (Alabama Campuses)

Minimum Full Time Undergraduate Load: Nine to 12 semester hours (over the entire summer). Students are advised that full-time status for federal financial assistance is 12 semester hours.

Maximum: 13 semester hours

Overload: 14-15 semester hours. Credit overload requires unconditional admission status, a minimum institutional GPA of 3.5, recommendation of the student's academic adviser, and signature of the department chair.

Students on Academic Probation: Limited to 10 semester hours

Important note regarding concurrent enrollment: Within the beginning and ending dates of a fall or spring semester, concurrent enrollment in the semester and any terms may not exceed 18 hours. Enrollment in more than 18 hours requires a student to meet the University policy for an overload.

Concurrent enrollment in the summer semester and any terms may not exceed 13 hours. Enrollment in more than 13 hours requires a student to meet the University policy for an overload. The maximum number of overload hours for any fall or spring semester block of time is 21.

Drop

A student who wishes to reduce, but not entirely eliminate, his or her credit load may drop a course. The following policies apply:

Students who, for any reason, drop class(es) before the last day to drop a course without financial penalty begin must complete a drop form and submit it to the appropriate office before the semester or term begins or drop the class online via Trojan Web Express. Any student who fails to drop the class before the last day to drop a course without financial penalty will be responsible for payment of tuition and fees and will be assigned failing grades.

The Troy University calendar specifies a date in each semes-

Placement in Academic Courses

Residency

Residency Credits

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

Residency Requirements

A candidate for graduation must have attended Troy University for at least two semesters and must have earned at least 25% of the degree in residence. This may include the semester in which

DSST (DANTES SUBJECT STANDARDIZED TEST) SCORES

Test Title and Number	Course	Credit Hours	Required Score
450 Principles of Statistics	QM 2241	3	48
470 Human / Cultural Geography	GEO 2210 or 3300	3	48
473 A History of the Vietnam War	History elective	3	50
474 Ethics in America with Essay	PHI 2204 or PHI elective	3	53
483 Civil War and Reconstruction	HIS 4413 or HIS elective	3	50
490 Lifespan Developmental Psychology	PSY 2210	3	46
494 General Anthropology	SOC 2200 or ANT 2200	3	47
496 Introduction to World Religions	REL 2280	3	50
497 Introduction to Law Enforcement	CJ 2221	3	50
498 Criminal Justice	CJ 1101	3	49
500 Astronomy	SCI 2235	3	48
512 Principles of Physical Science I	SCI 2233	3	50
519 Physical Geology	SCI 2234 or free elective	3	54
525 Principles of Financial Accounting	ACT 2291	3	49
530 Human Resource Management	MGT 3375	3	48
531 Organizational Behavior	MGT 4472	3	48
543 Introduction to Business	BAN 1101	3	48
548 Money and Banking	ECO 3353	3	48
562 Fundamentals of Counseling	PSY 4402	3	50

Application of DANTES credit

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

Test availability

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

Required Score

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

CLEP EXAMINATIONS

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

Clep Exam Title	Troy University Course(s)	Credit Hours	Required Score
American Government	POL 2241	3	50
American Literature	ENG 2211 and 2212	6	50
Calculus	MTH 1125	4	50
Chemistry	CHM 1142/L142 and 1143/L143	8	50

Application of CLEP credit

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

Required Score

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

ADVANCED PLACEMENT (AP) EXAMINATIONS

Troy University accepts a variety of Advanced Placement (AP) exams. Students must have official score reports sent directly to the Dean of Enrollment Services, Troy, Alabama, and make a request to have credit awarded through the appropriate registrar. Credit is not automatically awarded upon receipt of official scores. For more information, please contact the appropriate registrar.

AP Exam Title	Troy University Course(s)	Required Score
American History	HIS 1111 and 1112	3
Art (Studio)	ART 1125	3
Art History	ART 1133	3

Payment of Registration Expenses

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

Payment Plan

Troy University offers a tuition and fees payment plan which

For this option, the student will need to complete, print and mail the third party form to the designated address. The third party form is available on www.TrojanOneCard.com.

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

Funds Held

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

Drops, Withdrawals and Refunds

See the index for additional information regarding drop and withdrawal.

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

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

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

Withdrawal fee: A fee will be assessed at the time of withdrawal.

Ineligibility for refund: A student who is withdrawn by the University for disciplinary reasons or non-payment is not eligible for refunds of any nature.

Application for admission fee: This fee is non-refundable.

Housing application fee: This fee may be 50% refundable, depending on any housing violations.

Housing charges: Room/apartment rent is non-refundable once the term begins.

Board charges: Meal plans are refundable on a pro-rata basis in units of one week. A fractional part of a week will be counted as one week.

Special note: Students who register, do not attend, and do not follow official withdrawal procedures will be responsible for all semester charges including room and board.

Refunds will be applied to any outstanding obligations and to any scholarship, grant, or loan received for the semester or term.

Students may encounter extenuating circumstances that warrant an exception to the refund policy.

Withdrawals for Students Receiving Title IV Aid

In addition to the above, if a student is a recipient of Title IV aid [Pell Grant, Supplemental Education Opportunity Grant (SEOG), Stafford Loans, Plus Loan, and Perkins Loan], federal regulations administered through the U.S. Department of Education will apply. If a recipient of Title IV aid withdraws during the term, the university will calculate the amount of aid the student did

not earn, and the unearned portion will be returned to the Title IV programs. The student is responsible for any charges which are unpaid as a result of the return of Title IV funds.

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

Drop and Withdrawal Procedures

To initiate withdrawal from the university, students should contact their respective campus registrar. *See the index for additional information regarding drop and withdrawal.*

In-State and Out-of-State Status

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

Parking Decals

Students who use campus parking are required to purchase parking decals.

E-Commerce System

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

- The ability to pay tuition and various fees by using a credit card

- The ability to view a summary of account balances

Troy University is particularly proud of its financial aid pro-

receiving a job. Work-study awards are based on the availability of funds at Troy University.

Federal Perkins Loan Program

The Perkins Loan program provides low-interest loans to help undergraduate and graduate students with exceptional financial need pay for their higher education. The general loan limits depend, in part, on the student's year in school. Students attending school at least half-time do not begin repaying their loan until nine months after they graduate, leave school, or drop below half-time status. Less-than-half-time students may have a different grace period. Borrowers have up to 10 years to repay the loan. Troy University has limited access to Perkins Loan funds. Priority is given to students with the lowest EFC, determined by information provided on the Free Application for Federal Student Aid (FAFSA), who also receive Pell Grants. There is no guarantee that every eligible student will receive a Perkins Loan, so it is important to apply early to have a better chance. Perkins Loans are based on the availability of funds at Troy University. If you have been awarded a Perkins Loan, you may download, print, complete, and return the signed Perkins Promissory Note from our website.

Federal Stafford Loans

The Federal Family Education Loan Program (FFELP) requires a FAFSA and includes the following federal programs:

Subsidized Loans

Subsidized loans are awarded based on the student's calculated need from the FAFSA. The interest is paid by the government while at least half-time enrollment is maintained. You are charged a 3% to 4% fee by the federal government when you borrow; the amount of your loan sent to the school is reduced by that fee. Repayment begins six months after enrollment has ceased or dropped to below half-time status. Once in repayment interest rate is variable and caps at 8.25%.

Unsubsidized Loans

Unsubsidized loans are not based on calculated need, but still necessitate the filing of the FAFSA for eligibility determination. You are charged a 3% to 4% fee by the Federal government when you borrow; the amount of your loan sent to the school is reduced by that fee. Interest rate is a maximum of 8.25%. Interest is not paid by the Federal government, and the student is responsible for all interest associated with the loan. Interest payments can be capitalized (added to the loan at repayment) if no payments are made during enrollment. Repayment begins six months after enrollment has ceased or dropped below half time.

Federal Parent PLUS Loan

Federal Parent PLUS Loan is for parents of dependent students and is not based on need but a FAFSA is required. Parents may qualify for the PLUS Loan for the difference between your education costs and the amount financial aid you are awarded. However, parents must have a favorable credit rating in order to qualify for the PLUS Loan. If you are offered the PLUS Loan and you accept it, you will be sent a separate loan application for your parents to fill out and return to the student financial aid office for certification; parents may also download a form from the web site and apply for the PLUS loan.

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

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

Veteran Benefits

Veterans' educational benefits are available for all eligible veterans and their dependents. To receive these benefits while attending Troy University, students must be admitted and enrolled in an approved program of study. Students interested in VA benefits should visit our website for contact information.

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

Military Tuition Assistance

See 3rd Party Billing below.

Third Party Billing

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

Pre-paid Programs

The United States Internal Revenue Code Section 529 affords for eligible tuition programs that offer unique benefits for parents, guardians, and/or others who desire to supply money in advance for a child's college education. Taxpayers can presently pre-pay the higher education tuition costs only under state-sponsored tuition programs. Troy University accepts all pre-paid college programs. Below are the most common programs utilized at Troy University.

AL PACT

The AL PACT program is Alabama's Prepaid Affordable College Tuition program, which is administered through the Alabama State Treasury. This program pays 100% of tuition, pending credit hours available. Mandatory fees, such as activity fee and technology fee, are paid through AL PACT; however, laboratory fees are not included. For more information, please call 1-800-ALA-PACT (1-800-252-7228), or view the website at www.treasury.state.al.us.

FL Prepaid College Plan

The Florida Pre-pay college program is administered through the Florida Prepaid College Board. Each student determines his/her program for out-of-state colleges, whether unrestricted or restricted. For more information, please call 1-800-552-GRAD (4723), or view the website at www.florida529plans.com/Prepaid/Contract/mascov.html.

Military Tuition Assistance

Active duty military persons may qualify to use the tuition assistance program. Tuition does not include the cost of textbooks or administrative fees. If a student plans to use tuition assistance, the student must complete the required application at the military education services office prior to registration and submit the completed Authorization for Tuition Assistance to the University. For questions or further information, contact the Base Education Office.

State Programs

The most common state programs utilized at Troy University are listed below. For reference of a program not listed, please contact the Troy University Office of Financial Aid.

- AL Rehabilitation
- OCAP
- WIA/Job Training
- AL Industry Training TRA/Job Training
- AL COM Fire Fighters/Policeman

TROY UNIVERSITY FOUNDATION SCHOLARSHIPS & LOANS

TROY CAMPUS

Programs

The Troy University Foundation provides stewardship for a number of scholarships and loan funds established through the generosity of private donors to assist high school, community college and graduate students in furthering their education.

Nature of the Awards

Each foundation scholarship or loan is awarded according to its own unique requirements. Brief descriptions of each scholarship or loan are listed below. Applications for foundation scholarships and loans must be submitted by March 31. Unless otherwise indicated, applications and inquiries should be directed to the Admissions Office.

Policies

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

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

All Foundation Scholarship recipients are required to write a thank you letter to the sponsor of the scholarship.

Awarding of Foundation Scholarships is contingent upon funding.

SCHOLARSHIPS (Endowed)

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

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

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

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

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

Applications should be directed to the director of the School of Nursing.

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

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

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

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

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

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

education. The scholarship will be awarded to students preparing for careers in teaching.

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

William C. Haynes Scholarship was established in 1998 by family and friends of William C. Haynes to assist students who are woodwind players. The recipient must maintain a 2.5 GPA. For information on applying, contact the School of Music.

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

Hendricks Athletic Training Scholarship was endowed in 1991 by S. Kenneth Hendricks in recognition of the accompaniment of the J.T. 0002 Tc21098 Twm3(ents 7(th)9.7(spth)9.ppos medicien)6.5(e)-

Applications should be directed to the director of the School of Music.

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

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

Patricia Starck Endowed Scholarship was established through the generosity of Jim Bockman, an alumnus of the university, member of the Foundation boardsity-13('ars)9.9(

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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,

financial need. Contact the Dothan Campus Financial Aid Office for information on applying.

Taylor Girl Scholarship was established by Jay and Nicey Eller. The purpose of the scholarship is to assist a graduate student majoring in the field of education. The applicant is to have a grade point average of at least 3.25, be currently teaching, working full-time, and supporting a family. The applicant must submit a short essay on "Why the applicant is deserving of the scholarship." Preference is given to students attending the Phenix City campus. Contact the Office of Student Services on the Phenix City campus for information on applying.

Trojan Pride Scholarship was established in 1993 with funds received from the sale of university car tags. These schol-

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presented each spring term to a senior who shows exceptional potential as a future teacher of the social sciences.

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

PRIZES (Current)

TROY UNIVERSITY,
MONTGOMERY CAMPUS

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

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

SPECIALIZED GENERAL STUDIES REQUIREMENTS

Some programs, majors or minors may have specialized general studies requirements. Consult the descriptions of these programs in this catalog for information about specialized general studies requirements or placement in courses other than those described below.

Area I (6 hours)

The University Honors Program, open to students in all undergraduate divisions of the university, is administered by the Honors Council and the director of university honors. Minimum requirement for acceptance into the program is a composite score of 26 on the ACT. The student must maintain a cumulative grade point average of 3.3 or higher to be inducted into the program in the spring of the freshman or sophomore year and must maintain a 3.3 to graduate as a University Honors Scholar.

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

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

The official student voice within the program is the University Honors Alliance. Membership to the University Honors Alliance is offered to any student with a 3.3 grade point average or higher. There is an annual membership fee of \$5.

University Honors Program Requirements

I. Honors Versions of General Studies.

Within the regular general studies requirements, the University Honors Scholar takes a minimum of seven honors versions of general studies courses distributed over at least four departments. These courses are not taken in addition to the general studies courses; rather, they are taken in place of regular general studies courses. When the minimum number of honors versions of general studies courses is difficult to attain, the student, with the permission of the honors director, may take upper level courses in the general studies sequence to replace and count toward the credit of the honors version of general studies course(s).

II. Foreign Language Courses.

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

III. University Honors Courses.

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

First Year, PEAK Program (one semester):

University Honors candidates can be notified of acceptance into the University Honors Program in the spring semester

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

 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

 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.

PHY 2263	(3)	Physics II with Calculus
PHY L263	(1)	Physics II with Calculus Lab
Requirements		
BIO 2229	(3)	General Ecology
BIO L229	(1)	General Ecology Lab
BIO 3320	(3)	Genetics
BIO L320	(1)	Genetics Lab
CHM 3342	(3)	Organic Chemistry I
CHM L342	(1)	Organic Chemistry I Lab
CHM 3343	(3)	Organic Chemistry II
CHM L343	(1)	Organic Chemistry II Lab
MTH 2210	(3)	Applied Statistics

Students in the general biology concentration, ecology and field biology concentration, or medical technology concentration select:

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

Students in the biomedical sciences concentration or food safety concentration, select:

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

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

· Biomedical Sciences Concentration

BIO 3347	(3)	Human Anatomy and Physiology I
BIO L347	(1)	Human Anatomy and Physiology I Lab
BIO 3348	(3)	Human Anatomy and Physiology II
BIO L348	(1)	Human Anatomy and Physiology II Lab
BIO 3372	(3)	Microbiology
BIO L372	(1)	Microbiology Lab
BIO 4482	(3)	Molecular Biology
BIO L482	(1)	Molecular Biology Lab

Select 16 hours (four lectures with labs) from the courses listed below. With the adviser's approval, one upper level botany, ecology or zoology course with its corresponding laboratory course may be taken.

BIO 3382	(3)	Immunology
BIO L382	(1)	Immunology Lab
BIO 4416	(3)	Microbial Ecology
BIO L416	(1)	Microbial Ecology Lab
BIO 4430	(3)	Applied Genetics
BIO L430	(1)	Applied Genetics Lab
BIO 4451	(3)	Toxicology
BIO L451	(1)	Toxicology Lab
BIO 4471	(3)	Parasitology
BIO L471	(1)	Parasitology Lab
BIO 4480	(3)	Histology
BIO L480	(1)	Histology Lab
CHM 3352	(3)	Biochemistry
CHM L352	(1)	Biochemistry Lab

· Food Safety Concentration

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

Select 7 or more hours from the courses listed below. Lectures and their corresponding labs must be taken together.

BIO 3382	(3)	Immunology
BIO L382	(1)	Immunology Lab
BIO 4416	(3)	Microbial Ecology
BIO L416	(1)	Microbial Ecology Lab
BIO 4471	(3)	Parasitology
BIO L471	(1)	Parasitology Lab
BIO 4478	(3)	Cell Biology
BIO L478	(1)	Cell Biology Lab
BIO 4482	(3)	Molecular Biology
BIO L482	(1)	Molecular Biology Lab
BIO 4488/4489/4490	(1-8)	Internship in the Biological or Environmental Sciences
CHM 4455	(3)	Instrumental Analysis
CHM L455	(1)	Instrumental Analysis Lab
MGT 3372	(3)	Hospitality Management
MGT 4465	(3)	Food and Beverage Service

· General Biology Concentration

Select one botany course with its corresponding lab:

BIO 3325	(3)	Plant Form and Function
BIO L325	(1)	Plant Form and Function Lab
BIO 3326	(3)	Plant Diversity
BIO L326	(1)	Plant Diversity Lab
BIO 4402	(4)	Spring Flora
BIO 4425	(4)	Field Botany

Select one zoology course with its corresponding lab:

BIO 3307	(3)	Invertebrate Zoology
BIO L307	(1)	Invertebrate Zoology Lab
BIO 3308	(3)	Vertebrate Zoology
BIO L308	(1)	Vertebrate Zoology Lab
BIO 4405	(3)	Entomology
BIO L405	(1)	Entomology Lab
BIO 4410	(3)	Animal Behavior
BIO L410	(1)	Animal Behavior Lab
BIO 4420	(4)	Field Vertebrate Zoology
BIO 4432	(3)	Comparative Vertebrate Anatomy
BIO L432	(1)	Comparative Vertebrate Anatomy Lab
BIO 4445	(3)	Ichthyology
BIO L445	(1)	Ichthyology Lab
BIO 4446	(3)	Herpetology
BIO L446	(1)	Herpetology Lab
BIO 4447	(3)	Ornithology
BIO L447	(1)	Ornithology Lab

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BIO 4448	(3)	Mammalogy
BIO L448	(1)	Mammalogy Lab
BIO 4471	(3)	Parasitology
BIO L471	(1)	Parasitology Lab

Select one ecology/environmental course with its corresponding lab:

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

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

BIO 3347	(3)	Human Anatomy and Physiology I
BIO L347	(1)	Human Anatomy and Physiology I Lab
BIO 3348	(3)	Human Anatomy and Physiology II
BIO L348	(1)	Human Anatomy and Physiology II Lab
BIO 3382	(3)	Immunology
BIO L382	(1)	Immunology Lab
BIO 3386	(3)	Hematology
BIO L386	(1)	Hematology Labcell/mol

BIOLOGY, PREPROFESSIONAL MAJOR (55 HOURS)

Specialized General Studies Requirements

BIO 1100	(3)	Principles of Biology
BIO L100	(1)	Principles of Biology Lab
CHM 1142	(3)	General Chemistry I
CHM L142	(1)	General Chemistry I Lab
MTH 1125	(4)	Calculus I

Area V Requirements (20 Hours)

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

Select one sequence (physics sequence not required for medical technology concentration):

PHY 2252	(3)	General Physics I
PHY L252	(1)	General Physics I Lab
PHY 2253	(3)	General Physics II
PHY L253	(1)	General Physics II Lab
<i>or</i>		
PHY 2262	(3)	Physics I with Calculus
PHY L262	(1)	Physics I with Calculus Lab
PHY 2263	(3)	Physics II with Calculus
PHY L263	(1)	Physics II with Calculus Lab

Requirements for the major

Lectures and their corresponding labs must be taken together.

BIO 2229	(3)	General Ecology
BIO L229	(1)	General Ecology Lab
BIO 3320	(3)	Genetics
BIO L320	(1)	Genetics Lab
BIO 3372	(3)	Microbiology
BIO L372	(1)	Microbiology Lab
CHM 3342	(3)	Organic Chemistry I
CHM L342	(1)	Organic Chemistry I Lab
CHM 3343	(3)	Organic Chemistry II
CHM L343	(1)	Organic Chemistry II Lab
MTH 2210	(3)	Applied Statistics

Select 32 semester hours from the courses listed below:

BIO 3347	(3)	Human Anatomy and Physiology I
BIO L347	(1)	Human Anatomy and Physiology I Lab
BIO 3348	(3)	Human Anatomy and Physiology II
BIO L348	(1)	Human Anatomy and Physiology II Lab
BIO 3382	(3)	Immunology
BIO L382	(1)	Immunology Lab
BIO 3386	(3)	Hematology
BIO L386	(1)	Hematology Lab
BIO 4414	(3)	Food Microbiology
BIO L414	(1)	Food Microbiology Lab
BIO 4416	(3)	Environmental Microbiology.
BIO L416	(1)	Environmental Microbiology Lab

BIO 4430	(3)	Applied Genetics
BIO L430	(1)	Applied Genetics Lab
BIO 4432	(3)	Comparative Vertebrate Anatomy
BIO L432	(1)	Comparative Vertebrate Anatomy Lab
BIO 4433	(3)	Embryology
BIO L433	(1)	Embryology Lab
BIO 4451	(3)	Toxicology
BIO L451	(1)	Toxicology Lab
BIO 4471	(3)	Parasitology
BIO L471	(1)	Parasitology Lab
BIO 4478	(3)	Cell Biology
BIO L478	(1)	Cell Biology Lab
BIO 4480	(3)	Histology
BIO L480	(1)	Histology Lab
BIO 4482	(3)	Molecular Biology
BIO L482	(1)	Molecular Biology Lab
CHM 3352	(3)	Biochemistry
CHM L3352	(1)	Biochemistry Lab

CHEMISTRY EDUCATION

Students seeking Alabama teacher certification should select chemistry as a first major and education as a second major. Students should consult with their advisers concerning all certification requirements. CHM 3352 is required for Alabama teacher certification.

CHEMISTRY MAJOR (37 HOURS)

Specialized General Studies Requirements

BIO 1100	(3)	Principles of Biology
BIO L100	(1)	Principles of Biology Lab
CHM 1142	(3)	General Chemistry I
CHM L142	(1)	General Chemistry I Lab
MTH 1125	(4)	Calculus I

Area V Requirements

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

Select one series:

PHY 2252	(3)	General Physics I
PHY L252	(1)	General Physics I Lab
PHY 2253	(3)	General Physics II
PHY L253	(1)	General Physics II Lab
<i>or</i>		
PHY 2262	(3)	Physics with Calculus I
PHY L262	(1)	Physics with Calculus I Lab
PHY 2263	(3)	Physics with Calculus II
PHY L263	(1)	Physics with Calculus II Lab

Chemistry Core (34 Hours)

CHM 1143	(3)	General Chemistry II
CHM L143	(1)	General Chemistry II Lab
CHM 2242	(3)	Analytical Chemistry
CHM L242	(1)	Analytical Chemistry Lab
CHM 3342	(3)	Organic Chemistry I
CHM L342	(1)	Organic Chemistry I Lab

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CHM 3343	(3)	Organic Chemistry II
CHM L343	(1)	Organic Chemistry II Lab
CHM 3381	(3)	Physical Chemistry I
CHM L381	(1)	Physical Chemistry I Lab
CHM 3382	(3)	Physical Chemistry II
CHM 4444	(3)	Advanced Inorganic Chemistry
CHM 4445	(3)	Instrumental Analysis
CHM L445	(1)	Instrumental Analysis Lab
MTH 1126	(4)	Calculus II

Select 3 hours of chemistry electives:

CHM 3352	(3)	Biochemistry
CHM L352	(1)	Biochemistry Lab
CHM L382	(1)	Physical Chemistry II Lab
CHM 4400	(3)	Special Topics
CHM 4403	(3)	Advanced Organic Chemistry
CHM L444	(1)	Advanced Inorganic Chemistry Lab
CHM 4491/2	(1-3)	Guided Independent Research
CHM 4493/4	(1-3)	Guided Independent Study
CHM 4499	(1)	Senior Research Seminar

 CHEMISTRY MINOR (20 HOURS)

CHM 1142	(3)	General Chemistry I
CHM L142	(1)	General Chemistry I Lab
CHM 1143	(3)	General Chemistry II
CHM L143	(1)	General Chemistry II Lab
CHM 3342	(3)	Organic Chemistry I
CHM L342	(1)	Organic Chemistry I Lab
CHM 3343	(3)	Organic Chemistry II
CHM L343	(1)	Organic Chemistry II Lab

Select four additional hours of advanced chemistry courses, sS acourses, sS ical Chemistry I Lab

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 8 hours of upper level physics or

Required Courses

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

Select one of the following concentrations:

Biology Concentration

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

Select 1 botany course with corresponding lab (four hours).

Select 1 zoology course with corresponding lab (four hours).

Chemistry Concentration

CHM 2242	(3)	Analytical Chemistry
CHM L242	(1)	Analytical Chemistry Lab
CHM 3343	(3)	Organic Chemistry II
CHM L343	(1)	Organic Chemistry II Lab
CHM 3352	(3)	Biochemistry
CHM L352	(1)	Biochemistry Lab
CHM 3381	(3)	Physical Chemistry I
CHM L381	(1)	Physical Chemistry I Lab

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

CHM 3382	(3)	Physical Chemistry II
CHM L382	(1)	Physical Chemistry II Lab
CHM 4403	(3)	Advanced Organic Chemistry
CHM 4444	(3)	Advanced Inorganic Chemistry
CHM L444	(1)	Advanced Inorganic Chemistry Lab
CHM 4445	(3)	Instrumental Analysis
CHM L445	(1)	Instrumental Analysis Lab

Physics Concentration

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

Select two of the following:

- CS 3320 (3) Business Systems Programming
- CS 3325 (3) Operations Research
- CS 3331 (3) Fundamentals of Artificial Intelligence
- CS 3361 (3) Concepts of Objected Oriented Programming II
- CS 4401 (3) Advanced Artificial Intelligence
- CS 4443 (3) Web Based Software Development
- CS 4447 (3) Systems Analysis and Design
- CS 4451 (3) Computer Security and Reliability
- CS 4461 (3) Software Engineering II
- CS 4462 (3) Special Topics in Object-Oriented Technology
- CS 4495 (3) Special Topics in Computer Science

COMPUTER SCIENCE, APPLIED MAJOR
(36 HOURS)

Specialized General Studies Requirements

- MTH 2201 (3) Business Calculus
- Select additional Area III requirements as shown in the General Studies section of this catalog.*
- Area V Requirements
- IS 2241 (3) Computer Concepts and Applications
 - MTH 2215 (3) Applied Discrete Mathematics
 - TROY 1101 (1) University Orientation

Major Requirements

- CS 2250 (3) Computer Science I
- CS 2255 (3) Computer Science II
- CS 2265 (3) Advanced Programming I
- CS 3330 (3) Data Structures and Algorithms
- CS 4420 (3) Introduction to Database Systems
- CS 4443 (3) Web-Based Software Development
- CS 4445 (3) Data Communications and Networking
- CS 4447 (3) Systems Analysis and Design
- CS 4448 (3) Operating Systems

Select three of the following:

- CS 3320 (3) Business Systems Programming
- CS 3332 (3) Software Engineering I
- CS 3347 (3) Advanced Programming II
- CS 4449 (3) Applied Networking
- CS 4451 (3) Computer Security
- CS 4495 (3) Special Topics in Computer Science

COMPUTER SCIENCE A.S. DEGREE (60 HOURS)

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

General Studies Requirements

CS73.4()telligence 258(Sopplied Networking)-3493.4()TJ0()113.3(100)e.75Ts -14 (3) ineering I
CS 22653 (3) Advanced Programming I ystems

CRIMINAL JUSTICE MAJOR (36 HOURS)

Criminal justice majors are encouraged to take two semesters of Spanish or another foreign language as part of their general studies requirements.

CJ 1101	(3)	Introduction to Criminal Justice
CJ 2221	(3)	Survey of Law Enforcement
CJ 2231	(3)	Survey of Corrections
CJ 2241	(3)	Survey of Law and Criminal Procedure
CJ 3345	(3)	Criminology
CJ 3352	(3)	Constitutional Law
CJ 3375	(3)	Introduction to Social Scientific Inquiry
CJ 4499	(3)	Senior Seminar

Select A or B below:

A. 12 additional hours of advanced or upper-level criminal justice courses, as approved by the adviser,

or

B. Homeland Security Concentration. Select 12 additional hours from the following as approved by the adviser:

CJ 3335	(3)	Private and Public Security Administration
CJ 4435	(3)	Grant Writing
CJ 4440	(3)	Terrorism
CJ 4470	(3)	Criminal Justice Issues in Homeland Security
CJ 4472	(3)	Cyber Crime
CJ 4488	(3)	Internship (limit 1)
POL 3364	(3)	State and Local Politics
POL 4422	(3)	Public Policy Making

CRIMINAL JUSTICE MINOR (18 HOURS)

CJ 1101	(3)	Introduction to Criminal Justice
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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)

Area V Requirements		
ENG 2211	(3)	American Literature before 1875
ENG 2212	(3)	American Literature after 1875
ENG 2244	(3)	British Literature before 1785
ENG 2245	(3)	British Literature after 1785
IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation

Major Requirements

ENG 3341	(3)	Advanced Grammar
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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
ENG 3351	(3)	Creative Writing I
ENG 3352	(3)	Creative Writing II
ENG 4400	(3)	Selected Topics
ENG 4405	(3)	History of the English Language
ENG 4419	(3)	Advanced Writing

ENGLISH MINOR (18 HOURS)

ENG 3341	(3)	Advanced Grammar
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Select one sequence:

ENG 2211	(3)	American Literature before 1875
ENG 2212	(3)	American Literature after 1875
<i>or</i>		
ENG 2244	(3)	British Literature before 1785
ENG 2245	(3)	British Literature after 1785

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 4420	(3)	Selected Topics in Creative Writing
ENG 4427	(3)	Contemporary American Literature
ENG 4489	(3)	Internship

ENGLISH MINOR, PROFESSIONAL WRITING EMPHASIS (18 HOURS)

Select an additional six hours from the following:

ENG 3320	(3)	Introduction to Linguistics
ENG 3351	(3)	Creative Writing I
ENG 3352	(3)	Creative Writing II
ENG 4400	(3)	Selected Topics
ENG 4405	(3)	History of the English Language
ENG 4419	(3)	Advanced Writing
ENG 4488	(3)	Seminar in Professional Writing Portfolio Design
ENG 4490	(3)	Professional Writing Internship

ENGLISH—LANGUAGE ARTS PROGRAM
(139 HOURS)

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

Specialized General Studies Requirements

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

Program Requirements

BIO 2220	(3)	Principles of Cell Biology
BIO L220	(1)	Principles of Cell Biology Lab
BIO 2229	(3)	General Ecology
BIO L229	(1)	General Ecology Lab
BIO 3320	(3)	Genetics
BIO L320	(1)	Genetics Lab
CHM 3342	(3)	Organic Chemistry I
CHM L342	(1)	Organic Chemistry I Lab
CHM 3343	(3)	Organic Chemistry II
CHM L343	(1)	Organic Chemistry II Lab
MTH 2210	(3)	Applied Statistics

Environmental Science Core (32 semester hours):

BIO 2202	(3)	Principles of Environmental Science
BIO L202	(1)	Principles of Environmental Science Lab
BIO 3328	(3)	Environmental Pollution and Control
BIO L328	(1)	Environmental Pollution and Control Lab
BIO 4413	(3)	Limnology
BIO L413	(1)	Limnology Lab
BIO 4451	(3)	Toxicology
BIO L451	(1)	Toxicology Lab

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ENG 1102 (3) Composition and Modern
English II

Area V Requirements

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

Requirements for the Major

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

Select one emphasis:

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

Select an additional 9 hours of upper-level European/Asian/African courses in addition to HIS 4451.

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

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

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

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

PHYSICS MINOR (19 HOURS)		
PHY 4410	(3)	Modern Physics
PHY L410	(1)	Modern Physics Lab
PHY 4420	(3)	Mechanics

Select one series:

PHY 2252	(3)	Gen. Physics I
PHY L252	(1)	Gen. Physics Lab I
PHY 2253	(3)	Gen. Physics II
PHY L253	(1)	Gen. Physics Lab II
or		
PHY 2262	(3)	Physics I Calculus
PHY L262	(1)	Physics I with Calculus Lab
PHY 2263	(3)	Physics II with Calculus
PHY L263	(1)	Physics II with Calculus Lab

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

POLITICAL SCIENCE MAJOR (36 HOURS)		
Area V Requirements		
IS 2241	(3)	Computer Concepts and Applications
TROY 1101	(1)	University Orientation
POL 2241	(3)	American National Government or placement in POL 2240
POL 2260	(3)	World Politics
Major Requirements		
POL 3300	(3)	Foundations of Political Science
POL 3330	(3)	Political Theory

Select one of the following concentrations:

Select 15 hours from the following:

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

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

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

Select six hours from the following:

POL 4415	(3)	International Conflict
POL 4423	(3)	American Foreign Policy to 1920
POL 4424	(3)	Contemporary American Foreign Policy
POL 4432	(3)	Comparative Public Policy
POL 4445	(3)	Inter-American Relations
POL 4450	(3)	Latin American Politics
POL 4452	(3)	International Law
POL 4460	(3)	Intercultural Relations
POL 4465	(3)	Politics of the Developing World
POL 4466	(3)	Middle Eastern Politics
POL 4470	(3)	European Politics
POL 4474	(3)	Terrorism and Political Violence
POL 4476	(3)	Politics of Southeast Asia

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

Select 15 hours from the following:

POL 3364	(3)	State and Local Politics
POL 4421	(3)	Introduction to Public Administration
POL 4422	(3)	Public Policy Making
POL 4451	(3)	Public Personnel Administration
POL 4432	(3)	Comparative Public Policy
POL 4453	(3)	Bureaucratic Politics
POL 4471	(3)	Intergovernmental Relations
POL 4472	(3)	Administrative Law

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

POLITICAL SCIENCE MINOR (18 HOURS)		
POL 3300	(3)	Foundations of Political Science
POL 3330	(3)	Introduction to Political Theory

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

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

SOCIAL SCIENCE MAJOR (36 HOURS)

Specialized General Studies Requirements

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

Requirements for the Major

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

Select one concentration:

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

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

Select at least 24 hours of additional 3000/4000-level courses from anthropology, economics, geography, history, political science, psychology or sociology (six hours may be used from ECO 2251, ECO 2252, GEO 2210, ANT 2200, POL 2260 [World Politics], or SOC 2230) in at least three disciplines.

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

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

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

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

Select an additional 18 hours from the following:

AS 3312	(3)	Air Force Leadership Studies I
AS 3313	(3)	Air Force Leadership Studies II
COM 3345	(3)	Group Discussion and Leadership
HIS 4415	(3)	Contemporary America
MGT 3371	(3)	Principles of Management and Organizational Behavior
MGT 3375	(3)	Human Resources Management
MSL 2202	(2)	Leadership and Teamwork
MSL 2204	(1)	Leadership Lab
POL 4422	(3)	Public Policy Making
POL 3351	(3)	Foundations of International Relations
POL 4421	(3)	Introduction to Public Administration
PSY 4410	(3)	Business and Industrial Psychology
SOC 3301	(3)	Social Change in the Information Age
SOC 3302	(3)	Sociology of Small Groups

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

SOCIAL SCIENCE MINOR: GENERAL SOCIAL SCIENCE (18 HOURS)

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

SOCIOLOGY MAJOR (36 HOURS)

Area V Requirements

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

Requirements for the Major

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

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

SOCIOLOGY MINOR (18 HOURS)

Inquiry

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PHY L252	(1)	General Physics I Laboratory
Or		
PHY 2262	(3)	Physics I with Calculus
PHY L262	(1)	Physics I with Calculus Laboratory

Area IV Requirements

ECO 2251	(3)	Principles of Macroeconomics
ECO 2252	(3)	Principles of Microeconomics
HIS 1111	(3)	U.S. History to 1877
HIS 1112	(3)	U.S. History since 1877

Area V Requirements

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

Select a physics course/lab combination:

MKT 3365	(3)	Integrated Marketing Communications
MKT 4463	(3)	Retailing

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

INFORMATION SYSTEMS MAJOR (30 HOURS)

Specialized General Studies Requirements
The general studies program must include ECO 2251, ECO 2252 and MTH 2201, completed with a grade of C or better.

Major Requirements

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
IS 4420	(3)	Web Server Administration
MGT 4480	(3)	Technology and Management Innovation

Networking Concentration (nine hours)

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

Web Development Concentration (nine hours)

Select three courses from the following:

IS 4430	(3)	Web Site Design
IS 4440	(3)	Database Management Systems II
IS 4443	(3)	Internet Development
IS 4420	(3)	Web Server Administration

MANAGEMENT MAJOR (30 HOURS)

Specialized General Studies Requirements

The general studies program must include ECO 2251, ECO 2252 and MTH 2201, completed with a grade of C or better.

MGT 3375	(3)	Human Resource Management
MGT 4472	(3)	Organization Behavior
MGT 4455	(3)	Employment Law (Hospitality and Tourism concentration)
OR		
MGT 4479	(3)	Management Seminar (required for all concentrations except Hospitality and Tourism)

General Management Concentration

Select six of the following courses:

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 or business law course el -1.2t7(-.0015 Tc.0048d)

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Human Resource Management Concentration

Select six of the following courses:

BUS 4499 (3) Internship

that has been evaluated by Troy University faculty and approved by the appropriate dean or transfer work from regionally accredited (Southern Association of Colleges and Schools, Middle States Association of Colleges and Schools, etc.) post-secondary community college or technical schools as approved by the Academic Council.

Specializations are not available in fields of study that are offered through Troy University as majors, programs, or minors, i.e., nursing, computer science, information systems, or education. Specialized technical knowledge and course work will normally be recognized in the following areas which are incorporated under the technology resources management program:

- Acquisitions/Contracts
- Air Traffic Control
- Aircraft Maintenance
- Aviation Operations
- Contracts and Acquisitions
- Electronics
- Fire Science
- Military Science
- Restaurant/Culinary (non-Alabama campuses only)
- Other Approved Technical Areas

For a student to qualify for the transfer of technical credit from a regionally accredited community college or technical school, he or she must have a

BUSINESS ADMINISTRATION MINOR (18 HOURS)

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

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

INFORMATION SYSTEMS MINOR (18 HOURS)

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

Select one upper-level IS course.

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

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

of study requires a one-semester residency at Halmstad University, Sweden. For more information about contracts and options avail-

Select six hours from the following history courses:

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

Interdisciplinary contract offerings for <<dti>> program (24 hours)

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

- Advertising Writing
- Business Administration
- Multi-media Design**
- Information Systems
- Journalism
- Literature/Writing
- Marketing
- Mass Communications
- Music Industry
- Photography
- Speech/Theatre
- Sports Marketing
- Technical Theatre
- Or other area (see adviser for options)

**This specialized concentration involves the designing of educational and entertainment software interfaces. This contractual plan

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Core Courses

ART	2202	(3)	2D Studio I
ART	2204	(3)	3D Studio I
ART	2205	(3)	3D Studio II
ART	2206	(3)	2D Studio II
ART	2228	(3)	Photo Studio I
ART	3308	(3)	<<dti.troy>> Principles of Digital Design
ART	3301	(3)	Life Drawing
ART	3318	(3)	Conceptual Drawing
ART	3350	(3)	Research and Criticism
ART	3375	(3)	Special Topics
ART	4435	(3)	Collaborative Studio
ART	4496	(3)	Internship
ART	4499	(3)	Senior Thesis

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

Select one of the following four concentration options:

2D Studio Concentration (6 hours)

ART	3330	(3)	2D Studio III
ART	4430	(3)	2D Studio IV

Select an additional six hours of art electives.

3D Studio Concentration (6 hours)

ART	3331	(3)	3D Studio III
ART	4431	(3)	3D Studio IV

Select an additional six hours of art electives.

Photo Studio Concentration (9 hours)

ART	3328	(3)	Photo Studio II
ART	4428	(3)	Photo Studio III
ART	4431	(3)	Photo Studio IV

Select an additional three hours of art electives.

Digital Studio concentration (9 hours)

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

Select an additional three hours of art electives.

BROADCAST JOURNALISM MAJOR (36 HOURS)

Contact the Hall School of Journalism and Communication for information reg

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Select the remaining nine hours from the following: (design course

ARTS

MUS 4400	(1-3)	Selected Topics
MUS 4451	(3)	Lit/Tech of Musical Theatre
MUS 4452	(3)	Opera Literature
MUS 4455	(3)	Survey of Broadway Music
MUS 4470	(2)	Instrument Repair
MUS 4491/92	(1-3)	Guided Independent Research
MUS 4493/94	(1-3)	Guided Independent Study

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

MUSIC MINOR (18 HOURS)

MUS 1102	(3)	Music Theory I
MUS 1103	(3)	Music Theory II
MUS 1107	(1)	Aural Skills I
MUS 1108	(1)	Aural Skills II

Select three hours from Private Instruction 1110-1128.

Select seven hours from the following courses:

MUS 1105	(1)	Class Piano I
MUS 1106	(1)	Class Piano II
MUS 2202	(3)	Music Theory III
MUS 2203	(3)	Music Theory IV
MUS 2207	(1)	Aural Skills III
MUS 3306	(3)	Conducting
MUS 3330	(3)	Survey of Western Music History I
MUS 3331	(3)	Survey of Western Music History II

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

MUSIC, CHORAL EDUCATION

See Choral Emphasis Track under the Music Major.

MUSIC, INSTRUMENTAL EDUCATION

See Instrumental Emphasis Track under the Music Major.

SPANISH MINOR

Select 18 hours of approved courses in Spanish.

SPEECH COMMUNICATION MINOR (18 HOURS)

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

Select two.

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

General Music Track

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

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

COLLEGE OF EDUCATION

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

Non-certification programs in psychology and interpreter training are offered at the locations shown below.

The Teacher Education Unit is comprised of all certification programs in the College of Education. All certification programs are approved by the Alabama State Board of Education. Certification programs are offered at the Dothan, Phenix City, and Troy campuses.

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

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

UNDERGRADUATE EDUCATION PROGRAM AVAILABILITY

	Dothan	Mont- gomery	Phenix City	Troy	Global Campus*
Non-certification Programs					
Interpreter Training				X	X
Psychology					
Comprehensive Program (54 hours)				X	
Major (36 hours)	X	X	X	X	X
Minor (18 hours)Psychology				cyt.0.2mpu4/TTf	X
					X u8aj 09*X

*consult Troy Global Campus site

Troy University's interpreter training program provides graduates with the content knowledge and skills necessary to be licensed deaf interpreters. This program meets societal needs by training interpreters for employment in various settings where they will serve deaf and hard of hearing populations.

Psychology is the science concerned with the understanding of behavior and mental processes. A major in psychology provides students with (1) a useful foundation for further study at the graduate level, leading to various careers in psychology, or to study in the health professions and social work; (2) skills related

INTERPRETER TRAINING PROGRAM

Specialized General Studies Requirement

PSY 2200 (3) General Psychology
Select additional Area IV requirements as shown in the General Studies section of this catalog.

Area V Requirements

ASL 1141 (3) American Sign Language I
 ASL 1142 (3) American Sign Language II
 ASL 2241 (3) American Sign Language III
 ASL 2242 (3) American Sign Language IV
 IS 2241 (3) Computer Concepts and Applications
 TROY 1101 (1) Orientation

Required Courses

EDU 2200 (3) Introduction to Interpreting: Professional Identity and Ethical Considerations
 EDU 3360 (3) Models of Interpretation / Transliteration
 EDU 3362 (3) Manual Codes for English
 EDU 3364 (3) Introduction to Educational Interpreting / Transliterating
 EDU 3366 (3) Discourse Analysis I
 EDU 3368 (3) Interpreting in Specialized Setting
 EDU 4451 (3) ASL / English Linguistics
 EDU 4452 (3) Discourse Analysis II
 EDU 4453 (3) Interpreting English to ASL
 EDU 4454 (3) Interpreting ASL to English
 EDU 4455 (3) Transliteration
 EDU 4456 (3) Advanced Voice to Sign Interpreting / Transliterating
 EDU 4457 (3) Advanced Sign to Voice Interpreting / Transliterating
 EDU 4458 (3) Advanced Interactive Interpreting
 EDU 4462 (3) Practicum I: Seminar and Field Experiences
 EDU 4463 (3) Practicum II: Seminar and Field Experiences
 EDU 4465 (6) Internship: Educational Interpreting
 EDU 4466 (6) Internship: Community Interpreting

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

Select nine hours from the following:

PSY 2205	(3)	Psychology of Adjustment
PSY 2230	(3)	Orientation to Psychology
PSY 3303	(3)	Educational Psychology
PSY 3309	(3)	Advanced Statistics
PSY 3330	(3)	Health Psychology
PSY 3332	(3)	Family Violence
PSY 3360	(3)	Forensic Psychology
PSY 3365	(3)	Human Factors Psychology
PSY 4400	(3)	Advanced General Psychology
PSY 4401	(3)	Psychological Tests and Measurements
PSY 4405	(3)	Experimental Psychology
PSY 4410	(3)	Business and Industrial Psychology
PSY 4451	(3)	History and Systems of Psychology
PSY 4459	(3)	Applied Behavior Analysis
PSY 4475	(3)	Theories of Training and Evaluation

PSYCHOLOGY COMPREHENSIVE PROGRAM
(54 HOURS)

(Available only at Troy campus)

Specialized General Studies Requirements

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

Required Courses

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

Select at least six hours from the following:

PSY 3310	(3)	Sensation and Perception
PSY 4421	(3)	Physiological Psychology
PSY 4460	(3)	Cognitive Psychology

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

NOTE: PSY 2205 will not count in this program.

PSYCHOLOGY MINOR (18 HOURS)

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

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

CERTIFICATION PROGRAMS

Conceptual Framework

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

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

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

Teacher Certification

All teacher education certification programs are approved by the Alabama State Department of Education. Students seeking teacher certification should refer to the specific program for eligibility and program completion requirements. This information can be found on the College of Education Web site. Only those students who are properly admitted to an approved teacher certification program and complete all current requirements will be recommended for certification.

Certification in Alabama

Candidates completing an approved teacher certification program are eligible to apply for the Alabama Class B initial professional certificate, provided they meet the following:

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

a grade of C or better in all coursework which applies to certification; and

Successful completion of the Praxis II examination in all areas of initial certification.

Successful completion of the Basic Skills examination.

Successful completion of the Troy University Mathe-

In addition to the required general studies and the education major identified above, students seeking Alabama teacher certification in grades 6-12 should complete the academic major in a specific discipline, and select Education as the second major. Students should consult with their education adviser concerning all certification requirements and with their academic discipline adviser for requirements in the major.

Available secondary education disciplines are as follows:

Biology
Chemistry
English/Language Arts
General Science
History
Mathematics
Social Science

INTERDISCIPLINARY EDUCATION (P-12)

Specialized General Studies Requirements

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

See discipline specific major for specialized general studies requirements.

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

Education Major (Professional Studies)

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

Select the appropriate classroom management course:

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

Select the appropriate diverse learners course:

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

Select the appropriate technology course:

EDU 3305	(3)	Microcomputers in Education (ART & KHP Majors)
MUS 3305	(3)	Music Technologies (MUS Majors)

Select the appropriate assessment course:

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

In addition to the required general studies and the education major identified above, students seeking Alabama teacher certification in grades P-12 should complete the academic major in a specific discipline, and select Education as the second major. Students should consult with their education adviser concerning all certification requirements and with their academic discipline adviser for requirements in the major. Available interdisciplinary education disciplines are as follows:

Art

Athletic Training Education Program

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

In 1989, funding for the preliminary development of an ATEP at Troy University was obtained through Alabama Sports Medicine and in-kind gifts. The Athletic Training Education Program leads to a Bachelor of Science degree within the College of Health and Human Services. The Athletic Training Education Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE), 2201 Double Creek Drive, Suite 5006, Round Rock, TX 78664. www.caate.net.

Bachelor of Science in Athletic Training Education

The Bachelor of Science in Athletic Training Education consists of two components: (1) the Athletic Training Education Program, and (2) the Bachelor of Science in Athletic Training Education. The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE), 2201 Double Creek Drive, Suite 5006, Round Rock, TX 78664. www.caate.net.

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

The Sport and Fitness Management Program at Troy University is committed to providing students with the highest quality educational experiences so that they will be prepared to meet the many demands and challenges of sport and fitness management in the 21st century. The purpose of the Sport and Fitness Management degree program is to provide students seeking sport, marketing, management, and administrative skills from a sport/fitness perspective. Within Sport and Fitness Management, students will choose a minor within the Department of Kinesiology and Health Promotion or a minor in another department (i.e. business, psychology, etc.). Minors with the Department of Kinesiology and Health Promotion include exercise science, health promotion, and recreation. The program prepares the student for careers in managerial positions in the above-listed professional areas.

School of Nursing

The School of Nursing programs are designed to develop expertise necessary for the practi

Academic Probation Policy

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

Athletic Training Education Program Technical Standards for Admissions.

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

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

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

1. The mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm.
2. Sufficient postural and neuromuscular control, sensory function and coordination to perform appropriate physical examinations using accepted techniques, and to accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients.
3. The ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds. This includes, but is not limited to, the ability to establish rapport with patients and communicate judgments and treatment information effectively. Students must be able to understand and speak English at a level consistent with competent professional practice.
4. The ability to record the physical examination results and a treatment plan clearly and accurately.
5. The capacity to maintain composure and continue to function well during periods of high stress.
6. The perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced.
7. Flexibility and the ability to adjust to changing situations and uncertainty in clinical situations.
8. Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

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

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

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KHP 4474	(3)	Exercise Physiology
KHP L474	(1)	Exercise Physiology Lab
KHP 4476	(2)	Laboratory Practicum in Exercise

- f. Satisfactory performance on an exit exam is required for graduation. (Note: Exit exam is not required for students in the RN-BSN/MSN track.)

Additional policies related to the BSN program may be found on the School of Nursing web site. Enrollment may be limited based on available resources.

Degree

Upon satisfactory completion of the program, the student is awarded the Bachelor of Science in Nursing degree and may then apply to the Board of Nursing to write the licensing examination to become a registered nurse (RN).

Locations

The clinical facilities used for student learning experiences in the BSN generic track are located in Troy and surrounding communities. Students are responsible for transportation and the cost of meals. Students who buy university meal plans may arrange for a sack lunch. For child health nursing, students may be assigned to learning experiences in Birmingham, Alabama.

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

COURSE REQUIREMENTS

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

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

NSG 2205	(3)	Human Growth and Development
or		
PSY 2210	(3)	Developmental Psychology (Lifespan)

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

Rehabilitation professional program (25 hours)

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

SOCIAL WORK PROGRAM

Specialized General Studies Requirements

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

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Core Course Requirements

KHP 3350	(3)	Psychology of Wellness
KHP 3355	(3)	Introduction to SFM
KHP 3391	(3)	Testing and Statistics
KHP 4430	(3)	Sport and Fitness Marketing
KHP 4435	(3)	Current Issues in Sport Management
KHP 4440	(3)	Governing Agencies in Sport
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ACCOUNTING COURSES (ACT)

- ACT 2291 Principles of Accounting I (3)
Modern financial accounting theory and practices applied to sole proprietorships, partnerships, and corporations. Accounting majors must complete this course with a grade of C or better.
- ACT 2292 Principles of Accounting II (3)
Modern financial and managerial accounting theory and practices applied to an organization's liabilities, cash flows, planning, budgeting, and control. Accounting majors must complete this course with a grade of C or better. *Prerequisite: ACT 2291.*
- ACT 3391 Intermediate Accounting I (3)
Theory and applications of assets, liabilities, and owners' equity, revenues, expenses, and analytical process. Accounting majors must complete this course with a grade of C or better. *Prerequisite: ACT 2292.*
- ACT 3392 Intermediate Accounting II (3)
Theory and applications of assets, liabilities, and owners' equity, pensions, leases, earnings per share, and analytical process. Accounting majors must complete this course with a grade of C or better. *Prerequisite: ACT 3391.*
- ACT 3394 Governmental Accounting (3)
Analysis of governmental and not-for-profit accounting issues including the preparation and use of budgets, records and statements. Accounting majors must complete this course with a grade of C or better. *Prerequisite: ACT 2292.*
- ACT 3395 Managerial/Cost Accounting I (3)
An analysis of issues dealing with cost accounting and cost management in the global economy from the vns,a.5(c)6wpoimen6(of)6.6 manage I

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- ACT 4497 Auditing (3)
Auditing theory as contained in official pronouncements. Emphasis will be placed on material required for the CPA exam as it relates to professional ethics, audit engagement, internal control, audit sampling, evidence gathering and auditors' reports. Accounting majors must complete this course with a grade of C or better. *Prerequisite: ACT 3392.*
- ACT 4498 Fraud Examination—Advanced Auditing (3)
Auditing theory and procedures as applied to fraud prevention, detection and investigation. Accounting majors must complete this course with a grade of C or better. Accounting majors must complete this

- ANT 4411 High Civilizations of the New World (3)
An anthropological examination of the sociocultural systems that formed the foundations of pre-industrial high civilizations of the New World and a survey of past cultures that achieved this degree of development.
- ANT 4420 Forensic Osteology (3)
A survey of the methods used in recovering human osteological remains from field sites. It includes methods used in identifying, preserving, and recording data from human osteological remains, and the methods used in determining the cause of death, age, sex, race, and stature of individuals from human osteological remains.
- ANT 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*

- ART 3355 Graphic Design History (3-3)
Survey of the history of graphic design from prehistoric visual communications to contemporary global issues.
- ART 3361 Integrating Art into the Curriculum (3-3)
Critical and experiential investigation of approaches for integrating visual art into the elementary curriculum. *Prerequisite: EDU 3310 and PSY 3303.*
- ART 3375 Special Topics in Art/Design (3-3)

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ences in officer-type activities thus giving students the opportunity to apply leadership and management principles.

AS 3313 Air Force Leadership Studies II (3)
The second of two courses that study leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership

	proficiencies that were learned in AT 2201 and skills introduced in AT 2202. <i>Prerequisite: Acceptance into ATEP (first year status), AT 2201.</i>	AT 3396	Evaluation of Athletic Injuries and Illnesses I (3) Acquaints the entry-level athletic training student with athletic training educational competencies as they relate to acute care of injuries and illnesses to the lower extremity of the human body. <i>Prerequisite: Acceptance into ATEP.</i>
AT 3301	Clinical Experiences in Athletic Training III (2) Places the entry-level athletic training student in a variety of clinical settings including but not limited to college/university, general medical, and clinic/outreach. Laboratory and clinical experiences in AT 3301 will consist of basic clinical skills using a hands-on-approach application of competencies and proficiencies that were learned in previous clinical experience courses and skills introduced in AT 3301. <i>Prerequisite: Acceptance into ATEP, AT 2202</i>	AT L396	Evaluation of Athletic Injuries and Illnesses I Lab (1) Acquaints the entry-level athletic training student with athletic training educational competencies in the clinical proficiencies of injury prevention, assessment and evaluation, and acute care of injuries and illnesses as they relate to the lower extremity. <i>Co-requisite: AT 3396.</i>
AT 3302	Clinical Experiences in Athletic Training IV (2) Places the entry-level athletic training student in a variety of clinical settings including but not limited to college/university, general medical, and clinic/outreach. Laboratory and clinical experiences in AT 3302 will consist of basic clinical skills using a hands-on-approach application of competencies and proficiencies that were learned in previous clinical experiences and skills introduced in AT 3302. <i>Prerequisite: Acceptance into ATEP, AT 3301</i>	AT 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. <i>Prerequisites: AT 3396, L396.</i>
AT 3360	Principles of Drug Therapy for Athletic Trainers (2) Acquaints the entry-level athletic training student with the therapeutic medications and the governing regulations most often used in the treatment of injuries and illnesses of athletes and the physically active population. <i>Prerequisites: CHM 1142, L142, BIO 3347, L347, BIO 3348, L348; senior status.</i>	AT L397	Evaluation of Athletic Injuries and Illnesses II Lab (1) Acquaints the entry-level athletic training student with the knowledge of athletic training and educational competencies in the clinical proficiencies of injury prevention, assessment and evaluation, acute care of injuries and illnesses to the upper extremity. <i>Prerequisites: AT 3396, L396. Co-requisite: AT 3397.</i>
AT 3394	Lifting Techniques for Conditioning and Rehabilitative Exercise (1) Students will gain knowledge of spotting techniques, safety techniques, exercises, periodization and development of strength and conditioning programs on the physically active. <i>Prerequisite: AT 4447.</i>	AT 3398	Organization and Administration for Athletic Trainers (2) Students are introduced to management techniques, professional practice, insurance and health care administration that are encountered in athletic training. <i>Prerequisite: AT 3397/L397.</i>
AT 3395	Care and Prevention of Athletic Injuries and Illnesses I (3) Acquaints the entry-level athletic training student with athletic training educational competencies related to risk management, injury prevention, assessment and evaluation, psycho-social intervention and referral and health care administration. <i>Prerequisite: acceptance into ATEP.</i>	AT 3399	General Medical Conditions Seminar (1) A specialized course of general medical conditions designed for entry-level athletic training students with lectures made by various health professionals focusing on pathology and pharmacology.
AT L395	Care and Prevention of Athletic Injuries and Illnesses Lab (1) Acquaints the entry-level athletic training student with athletic training educational competencies in the clinical proficiencies, risk management, injury prevention, assessment and evaluation, psychosocial intervention and referral, and health care administration. <i>Prerequisite: Acceptance into ATEP.</i>	AT 4401	Clinical Experiences in Athletic Training V (3) Places the entry level athletic training student in a variety of clinical settings. Clinical Experience will apply clinical skills learned in all previous clinical courses in addition to the advancement and progression of competencies and proficiencies learned

AT 3399 hle Field 5.4(al34 Tions2 Seminar (1))6.5()

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- AT 4447 Therapeutic Modalities (3)
Acquaints the entry-level athletic training student with athletic training educational competencies as they relate to the use of therapeutic modalities.
Prerequisites: AT 3397, L397.
- AT L447 Therapeutic Modalities Lab (1)
Lab accompanying AT 4447. Students will learn psychomotor skills through the clinical application of therapeutic modalities on the physically active.
Corequisite: AT 4447.
- AT 4448 Therapeutic Exercises (3)
Acquaints the entry-level athletic training student with the knowledge of the athletic training educa-

- BIO L308 Vertebrate Zoology Lab (1-3)
Taxonomy, structure, life histories, and behavior of vertebrates. *Prerequisites: BIO 1101, L101. Co-requisite: BIO 3308.*
- BIO 3320 Genetics (3)
Principles of heredity, from basic Mendelian concepts through molecular genetics. *Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143, MTH 1112 or equivalent and MTH 2210 or equivalent, or permission of chair. Co-requisite: BIO L320.*
- BIO 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.*
- BIO 3325 Plant Form and Function (3)
The development, structure, and function of plant tissues and organs. Primary emphasis on anatomical, morphological, and physiological features of angiosperms. *Prerequisites: BIO 1101, L101. Co-requisite: BIO L325.*
- BIO L325 Plant Form and Function Lab (1-3)
The development, structure, and function of plant tissues and organs, with the primary emphasis on structures. *Prerequisites: BIO 1101, L101. Co-requisite: BIO 3325.*
- BIO 3326 Plant Diversity (3)
Taxonomy, structures, reproduction, and life cycles of fungi, algae, bryophytes, and vascular plants. *Prerequisites: BIO 1101, L101. Co-requisite: BIO L326.*
- BIO L326 Plant Diversity Lab (1-3)
Taxonomy, structures, reproduction, and life cycles of fungi, algae, bryophytes, and vascular plants. *Prerequisites: BIO 1101, L101. Co-requisite: BIO 3326.*
- BIO 3328 Environmental Pollution and Control (3)
Sources, effects, and methods of control for air, water, land, and noise pollution. *Prerequisites: BIO 2202, L202, 2229, L229, CHM 1143, L143. Co-requisite: BIO L428.*
- BIO L328 Environmental Pollution and Control Lab (1-3)
Field and laboratory techniques for air, water, land, and noise pollution. *Prerequisites: BIO 2202,*

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3372, L372, CHM 3342, L342. Co-requisite: BIO 3382.

BIO 3386 Hematology (3)
The study of blood cells and blood-forming organs under normal and diseased states. *Prerequisites: BIO 3320, L320, 3372, L372, CHM 3342, L342. Co-requisite: BIO L386.*

BIO L386 Hematology Lab (1-3)
Cytological and instrumental analyses of blood cells and blood forming organs. Hematological analysis of normal and diseased states. Introduction to blood-banking procedures. *Prerequisites: BIO 3320, L320, 3372, L372, CHM 3342, L342. Co-requisite: BIO 3386.*

BIO 4402 Spring Flora (4-7)
Survey of vascular plants from different habitats in southeast Alabama. Principles of plant taxonomy, including history and systems of classification and nomenclature, the use of dichotomous keys, and general herbarium techniques. Emphasis is placed on plant identification and habitat types. *Prerequisites: BIO 1101, L101, 2229, L229.*

BIO 4405 Entomology (3)
Orders of insects with the emphasis on morphology, taxonomy, and life cycles. *Prerequisites: BIO 1101, L101. Co-requisite: BIO L405.*

BIO L405 Entomology Lab (1-3)
Morphology, classification, and identification of insects. A collection is required. *Prerequisites: BIO 1101, L101. Co-requisite: BIO 4405.*

BIO 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.*

BIO L410 Animal Behavior Lab (1-3) 6.10 L405. 1(m techu)8.41Tcctvio7TT6 frewa7 0T(al)6ecos-7.38.9(,541T)8.41Ttw6D10002 8.41T(u)8.4

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- seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP; Co-requisite: SED 4454 Internship Seminar for Secondary Education.*
- BIO 4476 Special Topics in Biology (1 to 4 credit hours per course per semester)
Specialized topics not generally included in course offerings. *Prerequisite: Permission of instructor.*
- BIO 4478 Cell Biology (3)
Cell structure and function with the emphasis on biochemical and molecular mechanisms. Topics include cell division, movement, differentiation, and recognition. *Prerequisites: BIO 3320, L320, 3372, L372, CHM 3343, L343. Co-requisite: BIO L478.*
- BIO L478 Cell Biology Lab (1-3)
Experimental approaches for studying cells at the biochemical and molecular levels. *Prerequisites: BIO 3320, L320, 3372, L372, CHM 3343, L343. Co-requisite: BIO 4478.*
- BIO 4479 Environmental Assessment (3)
An examination of theory and practices required in performing stream environmental assessment as currently practiced by state and federal agencies in their attempt to preserve biological integrity. Sustainable management of natural resources and a systems approach to environmental problem solving will be emphasized. Topics covered include water quality, habitat assessment, indicator species used in ecological inventory with a concentration on macro invertebrate and fish assemblages, and the index of biological integrity. *Prerequisites: BIO 1101, L101; 2202, L202 or 2229, L229. Co-requisite: BIO L479.*
- BIO L479 Environmental Assessment Lab (1-3)
Laboratory instruction and hands-on field training regarding stream environmental assessment as currently practiced by state agencies in their attempt to preserve biological integrity. Topics covered include measurement of water quality, habitat, and practice sampling techniques, with a concentration on fish and macro invertebrate assemblages. In addition, students will learn the use of the index of biological integrity using their own collections of fish assemblages. *Prerequisites: BIO 1101, L101; 2202, L202 or 2229, L229. Co-requisite: BIO 4479.*
- BIO 4480 Histology (3)
Microscopic anatomy and function of cell types and tissues of mammalian organs. *Prerequisites: BIO 1101, L101. Co-requisite: BIO L480.*
- BIO L480 Histology Lab (1-3)
Microscopic anatomy of cell types and tissues of mammalian organs. *Prerequisites: BIO 1101, L101. Co-requisite: BIO 4480.*
- BIO 4481 Methods and Materials for the Secondary Teacher (3)
A survey of teaching methods and materials appropriate for teaching in the content areas for grades 6-12. Topics addressed will include teacher evaluation in the public schools, collaboration with special education teachers, and lesson planning formats. In addition, teaching methods, selections organization and use of biology/science materials for grades 6-12 will be covered in detail. A professional laboratory experience is included in this course. *Prerequisite: Admission to TEP.*
- BIO 4482 Molecular Biology (3)
Fundamental principles of chromosomal organization and gene expression, with emphasis on the structure and function of nucleic acids and proteins. *Prerequisites: BIO 3320, L320, 3372, L372, CHM 3343, L343. Co-requisite: BIO L482.*
- BIO L482 Molecular Biology Lab (1-3)
Experimental approaches in molecular analyses of nucleic acids and proteins, with the emphasis placed on common techniques utilized in clinical and research settings. *Prerequisites: BIO 3320, L320, 3372, L372, CHM 3343, L343. Co-requisite: BIO 4482.*
- BIO 4488-4489-4490 Internship in Biological or Environmental Science (1 to 3 credit hours per course per semester)
Supervised work experience in the biotechnology industry, medical field, a governmental agency, business or industry, public service organization, food production or food service industry, or other working environment in which a student will learn and apply pertinent professional skills. *Prerequisites: Approval of the student's academic adviser and department chair.*
- BIO 4491-4492 Guided Independent Research (1 to 4 credit hours per course per semester)
Additional information is indexed under Guided Independent Research and Study.
- BIO 4493-4494 Guided Independent Study (1 to 4 credit hours per course per semester)
Additional information is indexed under Guided Independent Research and Study.

BUSINESS COURSES (BUS)

- BUS 1101 Introduction to Business (3)

- BUS 3382 Business Communication (3)
Analysis and composition of business and personal communications including mechanics and content of letters and memoranda. *Prerequisite: ENG 1102 or 1104.*
- BUS 4400-4404 Business Seminar (3)
Special topics in areas offered by the Sorrell College of Business. Prior credit and topic approval by the dean of Sorrell College of Business required. NOTE: No more than six hours of credit may be earned by seminar. *Prerequisite: Approval of instructor and dean of the Sorrell College of Business.*
- BUS 4460 Business Consulting and Research (3)
Small business research and problem-solving with

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

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

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

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

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

CHM 3352 Biochemistry (3)
This course describes the molecular basis of life and discusses the structure, function

CHM 4481 Methods and Materials for the Secondary
Teacher (3)
A survey of teaching methods and materials appropriate for teaching in the content areas for grades 6-12. Topics addressed will include teacher evaluation in the public schools, collaboration with spe-

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	currently used in the social sciences. <i>Prerequisite: General studies math.</i>		operations and administrations. Special emphasis is attached to current problems surfacing in law enforcement.
CJ 3376	Application of Social Scientific Inquiry (3) A detailed description of what social scientists do with the information they gather. Particular attention is given to descriptive and inferential statistics, the relationship between research and policy, evaluation research, and research ethics. <i>Prerequisite: General studies math.</i>	CJ 4446	Current Issues in Correctional Operations and Administration (3) A detailed examination of applied concepts of leadership and problem solving in corrections and administration. Special emphasis is attached to current problems surfacing in corrections.
CJ 4415	Correctional Systems and Practices (3) An examination of the day-to-day operations and practices in modern correctional facilities in the local, state, and federal systems.	CJ 4447	Current Issues in Legal Systems Operation and Administration (3) A study of the critical issues and concepts involved in modern court administration, including the law governing the presentation of evidence in the trial of criminal cases, analysis of the role of law, and the courts in American Society.
CJ 4420	Comparative Criminal Justice (3) A comparative examination of criminal justice systems throughout the world with specific attention given to legal and political systems, organization and methods of law enforcement, jurisprudence, correctional policies, and practices. Theoretical frameworks, models, and propositions addressing crime across various societies are also considered.	CJ 4462	Polygraph: History and Investigative Applications (3) An historical perspective of the polygraph and an overview of legal issues concerning clinical polygraph examinations, criminal specific examinations, and the limitations of polygraphs.
CJ 4421	Ethics in Criminal Justice (3) An introduction to concepts of ethics and an examination of contemporary ethical issues in the field of criminal justice.	CJ 4470	Criminal Justice Issues in Homeland Security (3) An examination of the political and social complexities and dilemmas associated with state and local law enforcement and federal agencies roles in the defense of our nation subsequent to September 11, 2001.
CJ 4430	Selected Topics in Criminal Justice (3) An examination of a criminal justice topic chosen for its current or special interest and importance and that is not given in-depth coverage in other courses; selection topics will vary with each course offering (although a particular topic may be offered more than once.)	CJ 4472	Cyber Crime (3) This course will introduce the topics of computer crime and computer forensics. Students will be required to learn different aspects of computer crime and ways to uncover, protect, and exploit digital evidence. Students will be exposed to different types of tools, both software and hardware, and an exploration of the legal issues affected by on-line and computer-related criminal conduct. The course will examine the evolution of criminal law relative to the development of new technology.
CJ 4435	Grant Writing (3) A detailed examination of how to apply to governmental and private entities for funding of various programs and projects in the field of criminal justice.		
CJ 4440	Terrorism (3) A critical examination and analysis of major issues, definitions, and controversies associated with the development of terrorism in the modern world. Historical, religious, and psychological and sociological aspects and explanations of terrorism will be covered, along with the characteristic means and methods terrorist groups employ.	CJ 4488-4489-4490	Internship in a Criminal Justice Agency (3) Experience in a selected criminal justice agency, working in groups or individually. Supervised application and observation of concepts, principles, skills, operation and functions of knowledge acquired by the student in previous or current course work and studies. Problems will be identified with attendant solutions in the areas of police work, the correctional agencies, or the court systems as appropriate to the student's program of study.
CJ 4442	Criminal Investigation and Evidence (3) A detailed examination of what is necessary to solve criminal cases and prove guilt beyond a reasonable doubt in court. Emphasis on leadership and management actions taken to enhance investigative efforts in law enforcement operation.	CJ 4491-4492	Guided Independent Research (1 to 3 credit hours per course per semester) Additional information is indexed under Guided Independent Research and Study.
CJ 4445	Current Issues in Law Enforcement Operations and Administration (3) A detailed examination of applied concepts of leadership and problem solving in law enforcement		

- CJ 4493-4494 Guided Independent Study (1 to 3 credit hours per course semester)
Additional information is indexed under Guided Independent Research and Study.
- CJ 4499 Senior Seminar in Criminal Justice (3-3)
This is a capstone course designed to (1) help seniors integrate the knowledge gained from their other required criminal justice courses, (2) assist them in developing analytical thinking skills through focusing on selected topics using a seminar approach, and (3) support them in gaining a better understanding of the criminal justice profession and the role they may play in it.

CLASSICS COURSES (CLA)

- CLA 2260 Classical Mythology (3)
Myths of the Greeks and Romans and their influence.
- CLA 2290 Classical Literature in English Translation (3)

tion of an internship workshop prior to registering for the internship.

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encapsulation, exceptions, multithreading, graphics, exception handling, files, and streaming. *Prerequisite: CS 2255*

CS 3361 Concepts of Object Oriented Programming II (3)
The conceptual framework for object-oriented programming and systems. Topics include classes, data hiding, modularity, inheritance, and reusable code presented through the use of some object-oriented language. *Prerequisite: CS 3360*

CS 3365 Introduction to Computer Organization and Architecture (3)
Organization and operation of computer systems. Topics include hardware components of digital computers, micro-programming, memory management, interrupt organization, addressing modes, and instruction formats. *Prerequisite: CS 3310*

CS 3370 Nature of Programming Languages (3)

object-oriented systems. Topics include re-factoring designs and design patterns, presented through the use of some object-oriented language.
Prerequisite: CS 3361.

- CS 4495 Special Topics in Computer Science (3)
 Topics in computer science that are not included in regular course offerings. Specific contents are announced in the course schedule for a given term.
Prerequisites: senior standing or consent of instructor.

DANCE COURSES (DAN)

- DAN 1130 Social Dance in the 21st Century (1)
 A cross-cultural survey of theories and styles of dance, their relationship to societal contexts and other art forms.
- DAN 1132 Contemporary I (1)
 Development of technical skills in beginning contemporary dance, including rhythmic perception and spatial awareness with introduction to aesthetic and expressive qualities that lead to performance.
- DAN 1134 Ballroom Dance
 An introduction to social dancing with an emphasis on American ballroom dances (foxtrot, waltz, swing) and Latin ballroom dances (cha cha, mambo, tango). Equivalent to KHP 1134.
- DAN 1135 Ballet I (1)
 The development of technical skills in beginning ballet, including safe and efficient alignment and clear articulation of movement vocabulary with emphasis on increased vocabulary and musicality.
- DAN 1136 Jazz I (1)
 The study and application of the fundamental concepts, skills, movement vocabulary, and artistic expression specific to beginning jazz dance.
- DAN 1137 Tap I (1)
 Progressive development of beginning to low/intermediate movement concepts, skills, vocabulary, and styles specific to tap dance.
- DAN 2200 Orientation to Dance (2)
 Introduction to the basic concepts and principles common to ballet, contemporary and jazz dance through studio experience, discussions and concert attendance. This is a skills class.

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- DAN 3340 Dance Composition and Choreography I (2)
An exploration of movement and an analytical study of the art of making dances. The course will concentrate on the four basic elements of composition: space, shape, time and energy. *Prerequisite: Permission of the Department of Theatre and Dance.*
- DAN 3388 Dance Practicum I (1)
This course is designed to provide the student individual practical performance experience with Troy University Theatre or area or university dance productions, or choreographic opportunities that involve the students setting performance pieces on area dance companies, teams, studio classes or university theatre productions or teaching experience in area schools and/or studios.
- DAN 3389 Dance Practicum II (2)
A highly individualized practical experience course designed to provide opportunities for the student in choreography, teaching, performance, production, design, or management involving a continuation of the project begun in DAN 3388 or a different project altogether. *Prerequisite: DAN 3388*
- DAN 4400 Repertory Ensemble (1)
Designed and mandatory for auditioned members and apprentices of the Troy Dance Repertory Ensemble. Through rehearsal, performance and discussion, dancers will gain further proficiency in dance by learning choreography for performance in various dance styles. Choreography will subsequently be presented in various educational settings in surrounding areas. *Prerequisite: Audition or invitation.*
- DAN 4489 Dance Practicum III (2)
A highly individualized practical experience course designed to provide opportunities for the student in choreography, teaching, performance, production, design or management involving a continuation of the project begun in DAN 3389 or a different project altogether. *Prerequisite: DAN 3389 and permission of the Department of Theatre and Dance*

DRAMATIC ARTS COURSES (DRA)

- DRA 2200 Introduction to Drama (2-2)
An introduction to theatre as a fine art and as a vital part of our western culture, the course focuses on the aspects of audience, production, and performance. It is designed for the student who wishes to gain a fundamental understanding and an appreciation of the theatrical arts in our society.
- DRA 2211 Theatre for Youth (1-3)
The Ensemble performs well-known children's classics for Alabama elementary-age students and others. Ensemble membership is open by audition. The stress is on improvisation. May be repeated for credit.

- site: DRA 2221 and completion of the DRA 2245 rotation or permission of the instructor.*
- DRA 3330 Special Topics in Theatre (1-3 hours variable credit)
Examination of selected topics in theatre not included in the established curriculum. Content may be of a historical, thematic, technological, design, or specialized performance nature. May be repeated for credit.
- DRA 3331 Costume Design (3-3)
A study of the theory, principles, and techniques of costume design applied to a series of theatrical projects. *Prerequisite: Completion of the DRA 2245 rotation or permission of the instructor.*
- DRA 3344 Lighting Design (3-3)
A study of the principles of lighting design and equipment applications. Also covers drafting techniques for lighting. *Prerequisite: DRA 3304 and completion of the DRA 2245 rotation or permission of the instructor.*
- DRA 3345 Advanced Stagecraft Lab (1-3)
A continuation of Stagecraft Lab designed for the upper level student. *Prerequisites: DRA 2245 rotation or permission of instructor.*
- DRA 3346 Educational Assessment (3)
This course provides a study of measurement and evaluation techniques for the secondary and P-12 teacher. Emphasis will be placed on the selection, evaluation, administration, scoring and interpretation of selected measures of student performance, achievement and behavior. The student will demonstrate skills in utilizing measurement data to plan appropriate learning activities for students. *Prerequisite: Admission to TEP.*
- DRA 3350 Script Analysis (2-2)
Focuses on the nature of the text, playwright's purpose, dramatic structure, and style. The course will examine how the actor, director, designer, and technician approach a play and how that understanding translates into the staging.
- DRA 3352 Sound Techniques (2-2)
A study of digital and analog recording techniques, recording equipment, and application.
- DRA 3354 Rendering Techniques for the Theatre (2-2)
A study and application of traditional and experimental techniques for theatrical rendering, including watercolor, markers, pastels, pencils, and other media.
- DRA 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: COM 2241 or permission of the instructor.*
- DRA 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 the present. *Prerequisite: DRA 3330.*
- DRA 4444 Theatre History II (3-3)
Through the study of literature and dramaturgy, this course traces the history of theatre from the origins of drama to the present. *Prerequisite: DRA 4443.*

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included. *Prerequisites: DRA 3313, 4456, EDU 3310, admission to TEP.*

DRA 4491-92 Guided Independent Research (1-3 credit hours per course)

Information is indexed under Independent Research and Study in this catalog.

DRA 4493-94 Guided Independent Study (1-3 credit hours per course)

Information is indexed under Independent Research and Study in the catalog.

DRA 4496-97 Internship (3-6 credit hours per course)

An internship with a recognized professional theatre program or company in which the student is assigned specific tasks in one of the recognized areas of theatre arts. The number of credit hours earned will depend upon the number of hours contracted for in the internship agreement. The course is designed to give the student an opportunity for practical application of skills in theatre arts in a professional theatre setting. The student must apply and meet admission requirements.

Prerequisite: Admission to TEP and completion of a minimum of 15 hours in the teaching field.

ECE 4454 Internship Seminar for Early Childhood Education (3)
This course provides seniors an opportunity during internship to examine broad educational issues and

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	given to ways in which multimedia can be used to meet the needs of the varying learning styles.		discussion, lecture, field experience, case studies, problem solving sessions, projects, and research.
EDU 3310	The Professional Educator (3) This course provides a broad overview of education, teaching and schools, and an orientation to the Teacher Education Program. Multiple field experiences in school settings are required as part of the course. <i>This is a prerequisite course for most other education courses.</i>	EDU 4451	ASL/English Linguistics (3) This course is designed to introduce the linguistics of ASL, including phonology, morphology, syntax and semantics. Geographical, generational, racial and gender differences are explored. English and ASL similarities and differences are highlighted. <i>Prerequisite: ASL 2242; Advanced Level on SCPI; or permission of instructor.</i>
EDU 3360	Models of Interpretation / Transliteration (3) Students will be introduced to various interpreting models, including the Process Model, the Cokely Model, and the Colonomos Model. Students will use the models to analyze interpretations. Self-assessment techniques will be taught and Demand-Control theory will be introduced. <i>Prerequisite: Permission of instructor.</i>	EDU 4452	Discourse Analysis II (3) Students will develop a better understanding of the broad methodological areas of discourse analysis and conversation analysis as an approach for understanding signed languages and English, particularly in the context of interpreting. <i>Prerequisite: EDU 3366</i>
EDU 3362	Manual Codes for English (3) Focuses on the communication modes typically used by deaf children in public schools. Studies involve various manual codes for English such SEE II and Conceptually Accurate Signed English (CASE), Pidgin Signed English, and the Rochester Method. Simultaneous communication skills are developed. <i>Prerequisite: ASL 1142 or SCIP rating of Survival Plus or permission of instructor.</i>	EDU 4453	Interpreting English to ASL (3) Theory-to-practice course in which interpreter trainees are required to analyze message input from the source language (English), process and produce an equivalent message in the target language (ASL). Auditory and cognitive processing skills are refined. <i>Prerequisite: ASL 2242 or Advanced on the SCPI or permission of instructor.</i>
EDU 3364	Introduction to Educational Interpreting/Transliterating (3) <i>This course surveys the field of interpreting in educational settings. The focus of the course is on an analysis of the educational environment's impact on the deaf/hard of hearing student and the myriad roles of an interpreter in these settings. Guidelines of professional conduct are presented and specialized subject vocabulary is introduced. Prerequisites: ASL 2242, EDU 2200 and 3362; or permission of instructor.</i>	EDU 4454	Interpreting ASL to English (3) Theory-to-practice course in which interpreter trainees are required to analyze message input from the source language (ASL), process and produce an equivalent message in the target language (English). Auditory and cognitive processing skills are refined. <i>Prerequisite: ASL 2242 or Advanced on the SCPI or permission of instructor.</i>
EDU 3366	Discourse Analysis I (3) Introduces the concept of discourse analysis as it relates to ASL and English. Transcriptions and analysis of text will be the focuses. <i>Prerequisite: ASL 2242 or SCPI Intermediate Plus or permission of instructor.</i>	EDU 4455	Transliteration (3) Focuses on expressive and receptive transliterating skill development in English and manual Codes for English with attention to setting and register. <i>Prerequisites: ASL 2242, EDU 2200 and 3362; or Advanced Level on SCPI; or permission of instructor.</i>
EDU 3368	Interpreting in Specialized Settings (3) An introductory course which provides an overview of the ethical considerations, specialized vocabulary and skills needed to interpret in special settings such as performing arts, conferences, legal settings, phone relay, religious and health settings. <i>Prerequisites: EDU 2200, 3360 and 3366; or permission of instructor.</i>	EDU 4456	Advanced Voice to Sign Interpreting / Transliterating (3) Focuses on interpreting/transliterating from spoken English to ASL or Manual Codes for English. <i>Prerequisites: ASL 2242; Intermediate Plus level on SCPI; or permission of instructor.</i>
EDU 4400	Classroom Management (3) This course is designed for all education majors. The purpose of this course is to establish a foundation of content and application relative to classroom management and discipline, emphasizing reflection, decision making, and integrated teaching/learning strategies. Methodologies utilized will include	EDU 4457	Advanced Sign to Voice Interpreting/Transliterating (3) Focuses on interpreting/transliterating from ASL or Manual Codes for English to spoken English. Students develop appropriate use of register and cross-cultural bridging techniques. <i>Prerequisites: ASL 2242; Intermediate Plus level on SCPI; or permission of instructor.</i>
		EDU 4458	Advanced Interactive Interpreting (3) Course focuses on consecutive and simultaneous interpreting and transliterating. Students will de-

- velop skills in team interpreting in interactive settings. *Prerequisites: ASL 2242, EDU 2200 and 3360; or Advanced Level on SCIP; or permission of instructor.*
- EDU 4462 Practicum I: Seminar and Field Experiences (3)
This is a field experience course in which interpreter trainees have the opportunity to interview, observe, interact with and shadow interpreters in public venues. *Prerequisite: Completion of coursework.*
- EDU 4463 Practicum II: Seminar and Field Experiences (3)
This is a field experience course in which interpreter trainees have the opportunity to team interpret with credentialed interpreters. Trainees will interpret in one-on-one situations for which they are qualified. *Prerequisite: EDU 4462*
- EDU 4465 Internship: Educational Interpreting (6)
The internship provides an opportunity for the student to perform, under supervision, a variety of activities that a regularly employed interpreter would be expected to perform in an educational setting. The interpreter-in-training is involved in assignments appropriate to his/her skill level and training. Interns receive feedback and supervision from on-site supervisors, group seminar supervisors and faculty members. Interns are assigned to an educational setting (k-12 or postsecondary) for 300 clock hours, 120 of which must be in direct interpreting service. *Prerequisite: completion of coursework*
- EDU 4466 Internship: Community Interpreting (6)
The internship provides an opportunity for the student to perform, under supervision, a variety of activities that a regularly employed interpreter would be expected to perform in a community setting. A regularly employed interpreter is defined as a person occupying the professional interpreting role to which the student is aspiring. The interpreter-in-training is involved in assignments appropriate to his/her skill level and training. Interns receive feedback and supervision from on-site supervisors, group seminar supervisors and faculty members. Interns are assigned to an agency or rehabilitation setting for 300 clock hours, 120 of which must be in direct interpreting service. *Prerequisite: completion of coursework*
- EDU 4471 Curriculum and Instructional Delivery (3)
This course offers a survey of school curricula, organizational patterns for school systems and classrooms. It is designed for Early Childhood Education, Elementary Education, Special Education, and Middle and Secondary Education majors. Various instructional strategies, major philosophies and learning theories are examined. *Prerequisite: Admission to TEP; class should be taken semester prior to internship.*
- EDU 4476 Internship in Elementary/K-6 Collaborative Teacher (9)
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: ELE 4454.*
- EDU 4491-4492 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. Also see index for "Independent Study and Research."*
- EDU 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. Also see index for "Independent Study and Research."*
- EDU 4499 Technology Across the Curriculum (3)
This course prepares the student to use a variety of technologies in developing curriculum and planning instruction for diverse learners in grades K-6. Attention is given to the history of technology, software selection and the integration of technology into the curriculum by matching technology resources and tools to instructional needs.

ELEMENTARY EDUCATION COURSES (ELE)

- ELE 3360 Teaching Social Science in the K-6 Classroom (3)
This course provides a study of the varied dimensions of instruction in social sciences. Emphasis is placed on appropriate instruction and resources, including technology for the instruction of students in grades K-6. *Prerequisite: Admission to TEP.*
- ELE 3361 Teaching Natural Science in the K-6 Classroom (3)
This course provides a study of the varied dimensions of instruction in natural sciences. Emphasis is placed on appropriate instruction and resources, including technology for the instruction of students in grades K-6. *Prerequisite: Admission to TEP.*

ELE 3362 Teaching Mathematics in the K-6 Classroom (3)
This course provides a study of the varied dimensions of instruction in mathematics. Emphasis is placed on appropriate instruction and resources, including technology for the instruction of students in grades K-6. *Prerequisites: Admission to TEP, completion of MTH 2251 and 2252 with a grade of C or better.*

ELE 4401 Integrated Program (3)
This course is designed as a culminating course for Elementary Education students to examine the integrated nature of the ELE program. This course includes extensive laboratory experiences where students interact with diverse learners as they plan, implement, and evaluate integrated curriculum including technology and the total ELE program. *Prerequisite: Admission to TEP and completion of a minimum of 15 hours in the teaching field.*

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

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

ELE 4491-4492 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. Also see index for "Independent Study and Research."*

ELE 4493-4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills. *Prerequisites: jun-*

ior 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. Also see index for "Independent Study and Research."

ENGLISH COURSES (ENG)

ENG 0096 Fundamentals of Grammar and Sentence Writing (3)
Developmental instruction in the basic elements of standard American English grammar, with an introduction to the essentials of effective written communication. Involves application of appropriate computer software. Students are placed in this course, ENG 1100 or ENG 1101, depending on placement exam score; see the local campus testing center for specific cut-off scores. Students may also be required to attend weekly sessions at a writing and/or computer center. Note: Under no circumstance may this course be used to substitute for any general studies requirement; nor may it be used to meet minimum degree requirements. Grade of C or better and successful completion of exit exam required.

ENG 1100 Preparatory English (3)
Developmental instruction in composition and mechanical skills needed to write clear, effective sentences and paragraphs. Involves application of appropriate computer software and a variety of written activities. Students are placed in this course, ENG 0096, or ENG 1101 depending on placement exam score; see the local campus testing center for specific cut-off scores. Students may also be required to attend weekly sessions at a writing and/or computer center. Note: Under no circumstances may this course substitute for any general studies requirement; nor may it be used to meet minimum degree requirements. Grade of C or better required.

ENG 1101 Composition And Modern English I (3)
Intensive instruction in the writing process. Focuses on organization of ideas in well-developed expository and argumentative essays (usually 6 to 8 essays), with stress on grammar, punctuation, and vocabulary development. A grade of C or better is required for credit. Must be completed within first 30 hours of enrollment. *Prerequisite: Placement Testing.*

ENG 1102 Composition and Modern English II (3)
Text-based analyses and application of principles and tools of research in writing short research papers. A grade of C or better is required for credit. Must be taken within first 30 hours of enrollment. *Prerequisite: ENG 1101 or equivalent*

ENG 1103 Honors English Composition I (3)
Introductory study and practice of composition for the superior student. *(Prerequisite: Minimum English score of 27 on the ACT or 640 on the SAT, or recommendation by an 1101 instructor*

- ENG 1104 Honors English Composition II (3)
Continuation of study and practice of composition for the superior student. *Prerequisite: Minimum grade of C in ENG 1103 or recommendation by a 1101 or 1102 instructor*
- ENG 1150 Basic Study Techniques (1)
Presentation of and practice in basic study techniques, including strategies for planning personal success, outlining materials, studying for tests, and taking tests.
- ENG 2205 World Literature before 1660 (3)
Introduction to attitudes, philosophies, and reflections of life in world literary masterpieces from the ancient world, Middle Ages, and Renaissance. Requires demonstration of acceptable writing skills. *Prerequisite: ENG 1102 or equivalent*
- ENG 2206 World Literature after 1660 (3)
Introduction to attitudes, philosophies, and reflections of life in world literary masterpieces from the Enlightenment to the present. Requires demonstration of acceptable writing skills. *Prerequisite: ENG 1102 or equivalent*
- ENG 2207 Honors World Literature before 1660 (3)
A course for the superior student, focusing on representative selections of

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Prerequisite: 6 semester hours of 2000-level English courses

- ENG 3320 Introduction to Linguistics (3)
Overview to linguistics, the scientific study of language. The course will acquaint students with the grammatical, social, biological, and technological applications of language. *Prerequisites: ENG 1101, 1102*
- ENG 3326 Science Fiction (3)
An exploration of the literary, social, and generic importance of science fiction. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 3341 Advanced Grammar (3)
Detailed study of the structural system of English grammar. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 3345 Technical and Professional Editing (3)
Principles and practices of editing technical and scientific documents. Overview of the editing process; defining the editor's rules and responsibilities, revising at structural and sentence levels, and addressing stylistic conventions of technical fields. Includes technical and scientific documents such as reports, proposals, and user manuals. *Prerequisite: ENG 2260 or permission of instructor.*
- ENG 3351 Introduction to Creative Writing I (3)
Practice in writing poetry, short stories, and/or plays, along with a concentrated study of the techniques and principles of creative writing in each genre. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 3352 Advanced Creative Writing I (3)
Continued practice in writing poetry, short stories, and/or plays, along with a more advanced study of the techniques and principles of creative writing in each genre. *Prerequisite: 6 semester hours of 2000-level English courses; ENG 3351 or permission of instructor*
- ENG 3353 Advanced Creative Writing II (3)
Practice in writing poetry, short fiction, or plays for class and instructor evaluation. *Prerequisite: 6 semester hours of 2000-level English courses; ENG 3351 or permission of instructor*
- ENG 3354 Advanced Nonfiction Writing (3)
The literature of fact. Emphasis on student writing and analysis of nonfiction forms, such as personal narrative, autobiography, lyric in prose, and New Journalism. *Prerequisite: 6 semester hours of 2000-level English courses; ENG 3351 or permission of instructor*
- ENG 3355 Verse Writing (3)
Development of techniques in the practice of poetry, including expression through metrical pat-

- ENG 4400 Selected Topics in Literature and/or Professional Writing (3)
Study of a topic of special interest and importance not covered in regularly offered courses in English.
Prerequisite: 6 semester hours of 2000-level English courses
- ENG 4401 Chaucer (3)
Study of Chaucer's major poetry.

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- ENG 4425 Modern Novel (3)
Study of representative novels written in English in the 20th and 21st centuries. *Prerequisites: 6 semester hours of 2000-level English courses*
- ENG 4426 Modern Poetry (3)
Study of 20th- and 21st-century poetry. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 4427 Contemporary American Literature (3)
Examination of representative American literature from the postmodern period (1960-present), with special emphasis on the diversity of themes, styles, and cultural contexts influencing the literary marketplace. Course readings may vary with each offering. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 4428 The Age of Johnson (3)
A study of the works of Samuel Johnson and of his most important contemporaries, from about 1745 to 1798. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 4430 Shakespeare I: The Tragedies (3)
Study of major and minor tragedies, with some attention to non-dramatic poetry. List of plays may vary with each offering. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 4431 Shakespeare II: The Comedies (3)
Study of comedies and romances. List of plays may vary with each offering. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 4432 Shakespeare III: The Histories (3)
Study of history plays, especially those concerning Wars of the Roses. List of plays may vary with each offering. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 4433 Literary Criticism (3)
Study of the major literary critics and their works from classical times to the present. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 4434 Romantic Period in English Literature (3)
Romantic prose and poetry with emphasis on the writings of Blake, Coleridge, Wordsworth, Byron, Keats, and Shelley. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 4435 The Bible as Literature (3)
A detailed study of the literary components, composition techniques, and inclusion factors in selected works from the New and Old Testaments. *Prerequisite: Six semester hours of 2200-level ENG courses.*
- ENG 4443 Southern Literature (3)
Study of works by writers from the American South from colonial times to the present. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 4452 Medieval and Renaissance English Drama (3)
Survey of drama from the middle ages and Renaissance, excluding Shakespeare. Begins with brief study of folk and liturgical origins of drama, includes a few medieval mystery and morality plays, and features Renaissance plays by Heywood, Udall, Kyd, Marlowe, Beaumont, Fletcher, Jonson, and Webster. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 4453 English Drama through the 18th Century (3)
English drama (excluding Shakespeare) from the 9th through the 18th century. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 4460 Victorian Poetry (3)
A study of Victorian poetry, with emphasis upon the works of Tennyson, Browning, Arnold, and Hardy. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 4461 Victorian Prose (3)
A survey of the works of major Victorian prose writers, with emphasis upon the works of Carlyle, Newman, Mill, Ruskin, Arnold, and Pater. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 4465 African American Literature (3)
Study of the major African American writers from the beginning of American history to the present. *Prerequisite: 6 semester hours of 2000-level English courses*
- ENG 4474 Internship in English/Language Arts Education (9)
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: SED 4454.*
- ENG 4478 Theory and Practice of Composition: Writing and Learning Across the Curriculum (3)
A study of the methodology of teaching English composition and practice in advanced writing techniques. *Prerequisites: Six semester hours of 2000-level English courses.*
- ENG 4481 Methods and Materials for the Secondary Teacher (3)
A survey of teaching methods and materials appropriate for teaching in the content areas for grades 6-12. Topics addressed will include teacher evaluation in the public schools, collaboration with special education teacher evaluation in the public

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- ESL 0082 Grammar I
Covers the verb *be*, simple present tense, present progressive, *wh*-questions, possessives, prepositions of time, simple past, past progressive, and parts of speech (nouns, adjectives, prepositions). Independent CD-based exercises on topics covered in 0083 – two hours per week.
- ESL 0083 Grammar II
Covers imperatives, suggestions, there is/there are, negative questions, future, nouns, articles, and quantifiers, modals, comparatives, superlatives, and basic sentence structure (simple and compound sentences). Independent CD-based exercises on topics covered in 0084 – two hours per week.
- ESL 0084 Writing I
Focus on sentence-level writing: clause types, sentence types, sentence combining, conjunctions, and mechanics (punctuation and capitalization). Provides a basic introduction to writing in English that helps students apply what they are learning in other English classes to develop their writing proficiency. Writing Lab requirement: one hour per week.
- ESL 0085 Writing II
Continues with sentence-level writing; introduces students to several methods of organizing paragraphs: writing introductions, describing, listing characteristics, stating reasons and examples, and expressing opinion. Appropriate grammar and mechanics is practiced for each method. Writing Lab requirement: one hour per week.
- ESL 0086 Oral Skills I
Offers integrated language acquisition approach in listening, speaking, and pronunciation. Emphasis on language functions and meaningful exchanges in realistic and relevant situations. Intensive practice in sound production and differentiation, syllable stress, word stress, and intonation patterns. Uses language games, textbook activities, recordings, and software. Lab requirement: two hours per week.
- ESL 0087 Oral Skills II
An integrated class in listening, speaking, and pronunciation. Increases listening and speaking fluency and confidence by building vocabulary and providing controlled listening and speaking practices in a safe environment. Uses language games, textbook activities, recordings, and software. Work on pronunciation. Lab requirement: two hours per week.
- ESL 0088 TOEFL Preparation I
Covers strategies and skills necessary for the TOEFL exam. Provides listening, structure, reading, and writing skills practice at an intermediate level. Students learn test-taking strategies, take and analyze practice exams, and work to increase vocabulary in order to prepare for the TOEFL test. Independent CD-based TOEFL exercises on topics covered in 0088: one hour per week.
- ESL 0089 TOEFL Preparation II
Covers strategies and skills necessary for the TOEFL exam. Provides listening, structure, reading, and writing skills practice at an advanced level. Students learn test-taking strategies, take and analyze practice exams, and work to increase vocabulary in order to prepare for TOEFL test. Independent CD-based TOEFL exercises on topics covered in 0089: one hour per week. Course requirement: 475 on the paper-based TOEFL; 153 on the computer-based TOEFL.

Reading Lab requirement: one hour per week.

ESL 0095 Reading IV

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verb / pronoun-antecedent agreement) as well as on overall organization, support, and coherence. Practice appropriate grammar (especially run-on, comma splice, fragment, subject-verb agreement errors). Writing Lab requirement: one hour per week

ESL 1108 Writing VI
Focus on essay construction. Emphasis is placed on coherence, unity, and writing well-developed and well-organized essays. Explores different rhetorical patterns (chronological order, logical division of ideas, cause-effect, comparison/contrast, etc) as means to the end in fulfilling academic writing assignments. Study of different ways to organize and present ideas for different groups of readers. Emphasis on writing as a process, with frequent group work to generate ideas and practice peer editing. Writing Lab requirement: one hour per week.

ESL 1109 Speaking V
Increases vocabulary and fluency through discussions, debates, and presentations. A comprehensive pronunciation program on CD and cassette leads students through a review of the English sound system as well as a detailed study of the finer points of pronunciation, such as rhythm, pitch, and phrasing. Class presentations are more formal and more academic and require research and other preparation. Lab requirement: one hour per week.

ESL 1110 Speaking VI

- FIN 4437 Financial Institutions (3)
A comprehensive study of financial markets, institutions, instruments, etc. *Prerequisite: FIN 3332.*
- FIN 4438 Bank Management (3)
Introduction and comprehensive overview of bank management. Topics include: organization, regulation, performance, asset management, liabilities management, credit policy, loan evaluation, global banking, bank mergers and acquisitions, etc. *Prerequisite: FIN 3332.*
- FIN 4439 Finance Seminar (3)
Review of financial management tools and techniques to solve current problems in financial management. The focus is on problems and the case study method. *Prerequisite: FIN 4432, 4436.*
- FIN 4440 Real Estate Finance II (3)
Second course in a sequence on real estate finance. Continuation of FIN 3336. *Prerequisite: FIN 3336.*
- FIN 4454 Public Finance (3)
This course examines and analyses public finance from the perspective of the financial management of governmental enterprises. It examines revenues and expenditures at all levels of government, the financial management of government enterprises, and effects of public finance on business finance and personal finance. *Prerequisite: ECO 2252.*
- FIN 4491-4492 Guided Independent Research
(1-3 credit hours per course per semester.)
Additional information is indexed under Guided Independent Research and Study. Note: This course may not be substituted for any required course.
- FIN 4493-4494 Guided Independent Study (1-3 credit hours per course per semester)
Additional information is indexed under Guided Independent Research and Study. Note: This course may not be substituted for any required course. Also see index for Independent Study and Research.
- FIN 4495 Selected Topics in Finance (3)
Focus on finance topics of a timely nature and/or special interest. *Prerequisite: Permission of instructor.*

FOREIGN LANGUAGE COURSE (FLN)

- FLN 3333 Seminar in World Languages (3)
A survey of the world's major language families with emphasis on the Indo-European languages and the evolution of Latin and Romance languages, coupled with intensive review

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GEM 3370 Geodesy and Geodetics (3)
The study of the underlying theory necessary to understand the use of the Global Positioning Sys-

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solving and presenting peak runoff solutions. A design project involving the use of large-scale topographic maps will be assigned. *Co-requisite:* *GEM 4409.*

- GEO 4403 Conservation (3)
The conservation of natural and human resources with emphasis on population expansion as the major element in changing ecology.
- GEO 4404 Economic Geography (3)
Spatial patterns of economic activities including production, distribution, consumption, and the environmental consequences of these activities. *Prerequisite: Twelve hours of social science.*
- GEO 4406 Urbanism (3)
Historical, physical, economic, and societal evolution of the urban area. American metropolitan problems and implications for policy and planning. *NOTE: One field trip required at student's expense. This course may be taken for sociology credit.*
- GEO 4408 Rural America: Past and Present (3)
A study of rural society, its organization, agencies, institutions, population trends and composition, patterns of settlement, social processes, and change in character. *Prerequisite: Twelve hours of social science.*
- GEO 4411 Demography (3)
Population growth, stabilization, decline, and structures in the context of societal change. This course may be taken for sociology credit.
- GEO 4415 North American Geography (3)
Survey of agricultural, industrial, and commercial development of Anglo-America. Covers physical and cultural environment, resource distribution, economy, and population characteristics.
- GEO 4420 Web Based GIS/Spatial Data Applications (3)
The student will learn the techniques and protocols needed to develop and transmit spatial databases for use by a variety of interests on the World Wide Web. "Remote" spatial data analysis on existing databases will be an important component of the course. *Prerequisite: GEO3370*
- GEO 4435 Historical Geography of North America (3)
An analysis of the physical and cultural factors in the development of North America from early European settlement to the present. *Prerequisite: Twelve hours of geography or history.*
- GEO 4485 GIS/Spatial Data Modeling (3)
This course concentrates on the various components of precision modeling of the real world or anticipated events of the real world to allow for accurate decision making. *Prerequisite: ECD 3362 or permission of instructor. Corequisite: GEO L485*
- GEO L485 GIS/Spatial Data Modeling Laboratory (2)
The purpose of this lab is to allow the students to demonstrate their ability to collect, formulate, analyze, and draw conclusions based upon a real
- world modeling exercise. Prerequisite: ECD 3362 or permission of instructor. Corequisite: GEO 4485*

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- GER 2222 Intermediate German II (3)
Emphasis on basic language skills and knowledge of German culture. *Prerequisite: GER 2221 or permission of instructor.*
- GER 4493-4494 Guided Independent Study (1-3 credit hours per course per semester)
Additional information is indexed under Guided Independent Research and Study.

GREEK COURSES (GRK)

Note: For additional information, see Placement in Academic Courses.

- GRK 1111 Introductory Greek I (3)
Introduction to the ancient Greek language with emphasis on pronunciation, basic vocabulary, fundamentals of grammar, and graded readings.
- GRK 1112 Introductory Greek II (3)
Continuation of GRK 1111. *Prerequisite: GRK 1111 or permission of instructor.*

Note: The study of Greek may be continued under the headings of CLA 4400 Special Topics in Classics and CLA 4493-4494 Guided Independent Study. Also see index for "Independent Study and Research."

HISTORY COURSES (HIS)

- HIS 1101 Western Civilization I (3)
Survey of developments in Western history from the pre-historic era to early modern times, including classical antiquity, Middle Ages, and Renaissance and Reformation.
- HIS 1102 Western Civilization II (3)
Survey of developments in Western history from modern times to the contemporary era, including the Scientific Revolution, Enlightenment, French Revolution and Napoleon, nationalism, imperialism, two world wars, and the postwar era.
- HIS 1103 Honors Western Civilization I (3)
Chronological coverage same as HIS 1101. Enrollment restricted to superior students. *Prerequisite: Permission of department chair.*
- HIS 1104 Honors Western Civilization II (3)
Chronological coverage same as HIS 1102. Enrollment restricted to superior students. *Prerequisite: Permission of department chair.*
- HIS 1111 U.S. to 1877 (3)
Survey of American history from the colonial period through Reconstruction, including the Revolu-

- HIS 3310 England since 1688 (3)
The final evolution of the English political system from the reign of William and Mary to the contemporary era, including social and economic transformations, the British Empire, the two world wars, the welfare state, and current issues. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*
- HIS 3315 The Vietnam War (3)
A study of the period 1946 to 1975 in Indochina with emphasis on the American involvement during and after the French colonial period, escalating involvement of the Kennedy and Johnson administrations, and Vietnamization and withdrawal under President Nixon. *Prerequisites: HIS 1111 and 1112 or permission of instructor. *May be used for political science credit.*
- HIS 3316 History of Alabama (3)
A study of the demographic, political, social, economic, and religious aspects of Alabama's history, emphasizing the role of the state within the nation. *Prerequisites: HIS 1111 and 1112 or permission of instructor.*
- HIS 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.*
- HIS 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.
- HIS 3341 Medieval Europe (3)
Western Europe from the fall of Rome to the Renaissance, including religious and intellectual traditions and the revival of governmental institutions. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*
- HIS 3342 Renaissance and Reformation (3)
Historical review of the transitional centuries bridging the medieval and the modern eras, including the rebirth of art and literature, the Protestant and Catholic reform movements, and the role of kings and states. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*
- HIS 3343 Age of Absolutism (3)
Survey of political and religious controversies that shaped affairs in Europe during the 16th and 17th centuries, emphasizing the flowering of monarchy and aristocracy. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*
- HIS 3344 Age of Reason (3)
Survey of European history in the 18th century, emphasizing the cataclysmic developments in scientific, political, humanitarian, and economic thought that prepared the way for the rise of de-
- mocracy in both the old and the new world. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*
- HIS 3352 History of Africa (3)
A survey of 19th and 20th century political, social, and cultural history of the region, including the partition of Africa by European powers and decolonization. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*
- HIS 3356 History of the Middle East (3)
Background information on Islam, the Ottoman Empire, and Western influence sets the scene for a detailed study of political, economic, and social developments since World War II. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*
- HIS 3360 Introduction to Archives: Theory and Issues (3)
This course will introduce students to the history and social value of records and archives, to the theory underlying professional archival practice, and to the application of archival theories in the digital world.
- HIS 3362 Archival Methods and Practices (3)
This course will introduce students to the practical tasks performed by archivists in securing and preserving records, processing, arranging, describing, and providing access to them.
- HIS 3375 Research and Methodology (3)
A course designed to acquaint students with research methods and computer skills as related to the history profession. The principal requirement is the successful completion of a formal research paper in which students will demonstrate proficiency in research, writing, and basic computer skills. *NOTE: It is strongly recommended that history majors complete this course during the first term of their junior year. Prerequisite: Nine semester hours of history, including one of the freshman/sophomore-level series. (Students must receive a grade of C or better for credit toward completion of degree requirements.)*
- HIS 4401 French Revolution and Napoleon (3)
A study of the absolutist and autocratic French char-

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	Great Depression, rise of totalitarianism, World War II, European integration, the Cold War, and the post-Cold War era. <i>Prerequisites: HIS 1101 and 1102 or permission of instructor.</i>	HIS 4423	American Foreign Policy to 1920 (3) A study of the factors, forces, and functions in the making of American foreign policy from the 1760s to 1920. <i>Prerequisites: HIS 1111 and 1112 or permission of instructor. May be used for political science credit.</i>
HIS 4405	Old South (3) An examination of the cultural, political, religious, and economic trends that shaped the colonial and antebellum South and the Civil War which ended that era. <i>Prerequisites: HIS 1111 and 1112 or permission of instructor.</i>	HIS 4430	Civil Rights Movement (3) Study of the origins of the Civil Rights Movement in the late nineteenth and twentieth centuries, beginnings of change in the 1930s and the World War II era, and the movement itself as defined by legal, o
HIS 4406	New South (3) An examination of the political, social, racial and religious trends and policies that defined the New South. Topics include reconstruction, redemption, agrarian unrest, Jim Crow, industrialization, Progressive Movement, World War I, the Great Depression, World War II, and the Civil Rights Movement. <i>Prerequisites: HIS 1111 and 1112 or permission of instructor.</i>		
HIS 4411	Colonial America (3) Study of the colonial period from European discovery to the end of the French and Indian War, with emphasis on the political, economic, and social developments that set the stage for the American Revolution. <i>Prerequisites: HIS 1111 and 1112 or permission of instructor.</i>		
HIS 4412	The American Revolution and the New Nation, 1763-1815 (3) Ideas and institutions which led to American independence, the creation of the American union, and the development of a distinctive American culture in the Early National Era. <i>Prerequisites: HIS 1111 and 1112 or permission of instructor.</i>		
HIS 4413	Antebellum, Civil War and Reconstruction, 1815-1877 (3) Examines nationalism, Jacksonian democracy, territorial expansion, slavery and sectional strife, and the resulting Civil War and Reconstruction. <i>Prerequisites: HIS 1111 and 1112 or permission of instructor.</i>		
HIS 4414	Emergence of Modern America, 1877-1919 (3) Includes agricultural decline and crisis, industrialization and urbanization, Progressive reform era, World War I, and America as a world power. <i>Prerequisites: HIS 1111 and 1112 or permission of instructor.</i>		
HIS 4415	Contemporary America (3) Includes America in the Great Depression, World War II and the Cold War, Civil Rights Movement, Johnson's Great Society, and America as a superpower. <i>Prerequisites: HIS 1111 and 1112 or permission of instructor.</i>		
HIS 4420	History of American Minorities (3) Study of selected ethnic, racial, cultural, social, and religious minorities, their treatment within and their contributions to American society. <i>Prerequisites: HIS 1111 and 1112 or permission of instructor.</i>		

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- HIS 4445 History of Modern Germany (3)
Survey of Germanic peoples from the Revolutions of 1848 to the present, emphasizing unification, two world wars, postwar division, and reunification. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*
- HIS 4448 The Westward Movement (3)
Study of the history of American expansionism and westward movement and its impact on political, economic, and social institutions. *Prerequisites: HIS 1111 and 1112 or permission of instructor.*
- HIS 4450 Environmental History of the U.S. (3)
An introduction to environmental history of the

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- HIS 4496 Secondary Education Internship — History (9)
Additional information is indexed under The Professional Internship Program.
- HIS 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.*
- HIS 4499 Internship in History (1-3)
Supervised work in an agency that can provide practical experience in the field of study. *Prerequisites: Senior standing, at least 2.5 GPA, 12 hours in upper-division courses in the field, and permission of supervising instructor, department chair and/or dean.*

UNIVERSITY HONORS PROGRAM COURSES (HON)

Please see the index for additional information regarding the University Honors Program.

- HON 1101 Freshman Honors Colloquium (3)
The first in a series of interdisciplinary seminars for University Honors Program candidates, combining class work with focus on the humanities, social sciences, natural sciences, attendance at campus and community events, and University Honors Program student activities. *Prerequisite: admission as a candidate for University Honors Program in fall semester of the freshman or sophomore year.*
- HON 2200 University Honors Special Topics:
Interdisciplinary I (3)
A one-semester course for students who have been accepted into the University Honors Program via the PEAK Program and completion of the requirements for candidacy. Interdisciplinary topics are determined in advance by the Honors Council and the honors director. *Prerequisites: HON 1101 or permission of the honors director.*
- HON 3300 University Honors Special Topics:
Interdisciplinary II (3)
A one-semester course for students who have been accepted into the University Honors Program. Interdisciplinary topics are determined in advance by the Honors Council and honors director. *Prerequisite: HON 2200 or permission of the honors director.*
- HON 4400 University Honors Capstone Seminar in
Leadership (3)
The final course in the interdisciplinary sequence of University Honors courses is focused upon the

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

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

HS 4498 Honors-Independent Study (1 to 3 credit hours per course per semester)
 Advanced research and study for outstanding students in their major field. Culminates in a report to a departmental committee which includes invited faculty members in related fields. *Prerequisite: Senior level, 3.5 overall average, permission of guiding professor, and approval of department chair and dean. NOTE: A written request must be submitted to the department chair at least six weeks in advance of the term the research is to be undertaken.*

INTERDISCIPLINARY STUDIES COURSES
 (IDS)

IDS 2200 Crossroads: Sophomore Interdisciplinary Seminar in Creative Thinking (3)

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IS 3320 Data Communication and Computer Networking (3)

- JRN 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.*
- JRN 1103 Introduction to Radio and Television (3-3)
An introduction to the electronic forms of mass communication with discussions on the theoretical and business aspects of radio and television, cable and corporate video communications, and an introduction to programming and regulations.
- JRN 2201 Reporting (3-4)
Gathering, evaluating and reporting the news. *Prerequisite: Completion of JRN 1102 with grade of C or better and sophomore standing. Must make at least C or better in JRN 2201 before taking another journalism course. Requires one hour per week of work on student media.*
- JRN 2203 Broadcast News Writing (3-4)
Gathering, evaluating, writing and performing broadcast copy. Applies news gathering techniques to the broadcast writing style, on-the-scene coverage, interviewing and announcing. Must make a C or better. *Prerequisite: JRN 2201. Requires one hour per week of work at Trojan Vision-TV.*
- JRN 2210 Global Journalism and International Media Systems (3-3)
An examination of international and domestic mass media systems, the flow of information and technology, and issues of media ownership, access, regulations, programming and cultural differences in international communications.
- JRN 2211 Editing (3-4)

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ism, broadcast journalism, advertising and/or public relations.

JRN 3350 Advertising Sales (3-3)
Discussion of and practical experience in servicing accounts and selling advertisements. MarfJyng adve

public relations setting, advertising office, or sports information operation. Student will work under the supervision of an on-the-job supervisor.

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- KHP 2223 Advanced Synchronized Swimming (1)
Physical education activity course.
- KHP 2230 Rhythmic Activities for Special Populations (1)
Physical education activity course.
- KHP 2238 Clog Dance II (1)
Physical education activity course.
- KHP 2239 Aerobic Dance II (1)
Physical education activity course.
- KHP 2240 Personal and Community Health (3)
Personal health as it applies to practices, knowledge
and behavior.
- KHP 2241 Intermediate Jogging (1)
Physical education activity course.
- KHP 2242 Intermediate Weight Training (1)
Physical education activity course.
- KHP 2250 Foundations of Health Science (1-1)
A study of the historical, philosophical and theo-
retical foundations of health education and health
promotion, including the current status and pro-
jected trends in health education and promotion.
- KHP 2251 Foundations of Physical Education and SFM (2-
2)
A study of the history and principles of health edu-
cation and physical education with particular em-
phasis placed on present practices and trends.
- KHP 2252 Methods of Teaching Dance (3)
Social, folk and square dancing, including basic
rhythmic activities which can be taught in elemen-
tary, middle and high schools. Equivalent to DAN
2252. *Prerequisite: Permission of instructor.*
- KHP 2260 Applied Fitness Concepts (2-2)
Personal conditioning-based course focusing on
training principles, modes of exercise, training
tools, performance enhancers, measurement con-
cepts and exercise prescription.
- KHP 2263 Lifeguard Training (3-3)
Organization and teaching of the fundamental skills
for water safety and the prevention of drowning.

- KHP 3369 Scuba (2-4)
Basic techniques of scuba diving. *Prerequisite:* *Permission of the instructor. In addition to lab fee, a student is required to purchase mask, fins, snorkel, weight belt and weights. Students are also required to make two trips for final certification. The student will be responsible for the cost of transportation, food and lodging during the two trips.*
- KHP 3391 Testing and Statistical Interpretation (3-3)
Test selection, analyzing test scores and measurement as a technique of evaluation in evaluation in health education and physical education. *Prerequisite:* *MTH 1112.*

- KHP 4477 Theory and Techniques of Coaching Football (2-2)
Offensive and defensive techniques, purchase and care of equipment, budgeting, ethics, rules, scouting and team conditioning.
- KHP 4478 Theory and Techniques of Coaching Soccer (2-2)
The development of basic skills necessary for team play, squad organization, rules, scouting procedures, term conditioning and equipment needs.
- KHP 4479 Theory and Techniques of Coaching Volleyball (2-2)
Offensive and defensive techniques, purchase and care of equipment, budgeting, squad organization, rules, scouting and team conditioning.
- KHP 4480 Theory and Techniques of Coaching Track and Field (2-2)
Teaching of basic fundamentals of track and field activities.
- KHP 4481 Methods and Materials for the Secondary School Physical Education or Health Teacher (3-3)
Teaching methods, selection, organization and use of physical education or health materials in secondary schools. Observation and teaching experiences will be included. *Prerequisite: Admission to the Teacher Education Program or permission of instructor.*
- KHP 4482 Theory and Techniques of Coaching Basketball (2-2)
Offensive and defensive techniques, purchase and care of equipment, budgeting, squad organization, rules, scouting and team conditioning.
- KHP 4483 Theory and Techniques of Coaching Baseball (2-2)
Offensive and defensive techniques, purchase and care of equipment, budgeting, batting and field drills, rules, scouting and team conditioning.
- KHP 4485 Teaching Individual and Team Sports (3-3)
Teaching methods, techniques, and officiating archery, badminton, gymnastics, soccer and volleyball. *Prerequisites: KHP 3330, 3331, 3352 and admission to the Teacher Education Program or permission of instructor.*
- KHP 4486 Teaching Individual and Team Sports (3-3)
Teaching methods, techniques, and officiating basketball, golf, swimming, track and field, and tennis. *Prerequisites: KHP 3330, 3331, 3352 and admission to the Teacher Education Program or permission of instructor.*
- KHP 4487 Special Topics in Exercise Performance (2-2)
An intensive study of selected topics in exercise science. Topics to be taught each term TBA. *Prerequisite: KHP 4474 or permission of instructor.*

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- LAT 1132 Introductory Latin II (3)
Continuation of LAT 1131. *Prerequisite: LAT 1131 or permission of instructor.*
- LAT 2231 Intermediate Latin I (3)
Continuation of LAT 1131-1132. *Prerequisite: LAT 1132 or permission of instructor.*
- LAT 2232 Intermediate Latin II (3)
Continuation of LAT 2231, culminating in the reading of authentic passages from selected Latin authors. *Prerequisite: LAT 2231 or permission of instructor.*
- LAT 3331 Readings in Latin Literature (3)
Readings in a selected author, period, or genre. *Note: May be repeated for credit. Prerequisite: LAT 2232 or permission of instructor.*

LAW COURSES (LAW)

- LAW 2221 Legal Environment of Business (3)
This course is an introdu

ior or senior status, permission of guiding professor, and approval of instructor. A written request must be submitted to the instructor at least two weeks in advance of the term in which study is to be undertaken. May not be used to repeat a course in which a grade of D or below has been earned.

MARINE BIOLOGY COURSES (MB)

Offered at Dauphin Island Sea Lab (DISL) only

Courses are offered during the summer semester only. Because course offerings change, check current DISL summer bulletin for specific course offerings and descriptions.

MANAGEMENT COURSES (MGT)

- MGT 3371 Principles of Management (3)
An introduction to management functions, principles, and techniques. The course includes a discussion of planning, organizing, influencing through leadership, and control within the organization.
Prerequisites: ECO 2252.
- MGT 3372 Hospitality Management (3)
A survey course providing an overview of the industry, its history, problems and general operating procedures. *Prerequisite: MGT 3371.*
- MGT 3373 Operations Management (3)
A study of how organizational processes add value

- proaches to collective bargaining and labor relations. *Prerequisite: MGT 3371.*
- MGT 4474 Business and Society (3)
Focuses on the interrelationships which exist between business organizations and the environment in which they operate. Significant relationships of business and society in the past, present, and probable future will be examined. General areas discussed include business ethics, social responsibility, and relationships with government, education, and labor unions. *Prerequisite: MGT 3371.*
- MGT 4475 Small Business Management (3)
Detailed analysis of the creation and management of small business entities. The dynamics of operating small businesses successfully is presented. Emphasizes entrepreneurial opportunities, new venture processes, and managerial activities needed for the successful operation of small business. *Prerequisite: MGT 3371.*
- MGT 4476 Strategic Management (3)
Capstone course for business majors. Integrates knowledge, skills, and concepts acquired in all business courses taken. Requires students to analyze various corporations, determine threats and opportunities posed by the external environment as well as the firm's strengths and weaknesses, formulate strategic plans for firms, and determine how these plans should be implemented. *Prerequisites: Senior standing; completion of or concurrent enrollment in remaining business core courses.*
- MGT 4478 International Management (3)
A survey and analysis of topics important to successfully managing internationalized business operations. Included in the course are considerations of environmental analysis, modes of entry, planning and cross-cultural issues in directing, decision-making, organizing and staffing operations in multinational enterprises. *Prerequisite: MGT 3371.*
- MGT 4479 Management Seminar (3)
Capstone course for management majors. Analysis of current problems and issues in management. *Prerequisite: MGT 3371, 3373, 3375, 4472.*
- MGT 4480 Technology and Innovation Management (3)
The course investigates the strategic implications of technology and innovation for manufacturing and service organizations that operate in dynamically changing environments. The course provides a comprehensive study of leading-edge product and process technologies, emerging organizational and social issues that influence the adoption of technology, methods for forecasting future trends in technology, and current concepts and methods for managing technology and motivating innovation. *Prerequisite: MGT 3373.*
- MGT 4481 Staffing (3)
Addresses theory, principles, practices, and legal requirements for effective recruitment, selection, and promotion in organizational settings. *Prerequisite: MGT 3371.*
- MGT 4482 Managing Health, Safety and Diversity (3)
This course addresses the theory, practice and legal requirements in managing employee health, safety, and cultural diversity in organizational settings. *Prerequisite: MGT 3371.*
- MGT 4483 Human Resource Development (3)
Theory and practice in human resource training and development applied to organizational settings. *Prerequisite: MGT 3371.*
- MGT 4485 Performance Appraisal and Compensation (3)
Addresses theory, principles, practices, and legal requirements linking effective performance management and compensation and benefit systems in organizational settings. *Prerequisite: MGT 3371.*
- MGT 4490 Total Quality Management (3)
An overview of the strategies and means used by leading companies throughout the world to obtain outstanding quality results and strong competitive positions. Focuses on the continuous improvement of quality of product and service, and the resulting benefits in reduced costs, increased productivity, and higher levels of customer satisfaction. *Prerequisites: MGT 3373 and QM 3341.*
- MGT 4491-4492 Guided Independent Research (1-3 credit hours per course per semester.)
Additional information is indexed under Guided Independent Research and Study. Note: This course may not be substituted for any required course.
- MGT 4493-4494 Guided Independent Study (1-3 credit hours per course per semester)
Additional information is indexed under Guided Independent Research and Study. Note: This course may not be substituted for any required course.
- MGT 4496 Selected Topics in HR (3)
An in-depth study of a broad range of human resource management topics. Individual investigations and reporting are emphasized in seminar fashion.

	tion and role of the Army, basic life skills pertaining to fitness and communication, and an analysis of Army values and expected ethical behavior. <i>Co-requisite: MS 1104a.</i>	MSL 3301	Leadership and Problem Solving (3) This course examines the basic skills that underlie effective problem solving by analyzing the role officers played in the transition of the Army from Vietnam to the 21st Century, analysis of military missions and the planning of military operations, the features and execution of the Leadership Development Program, and the execution of squad battle drills. <i>Co-requisite: MS 3304a.</i>
MSL 1102	Basic Leadership (1) This course provides students with a basic knowledge of common military skills and presents the fundamental leadership concepts and doctrine of the U.S. Army. Topics include the practice of basic skills that underlie effective problem solving, application of active listening and feedback skills, examination of factors that influence leader and group effectiveness, and an examination of the officer experience. <i>Co-requisite: MS 1104b.</i>	MSL 3302	Leadership and Ethics (3) This course probes leader responsibilities that foster an ethical command climate by developing cadet leadership competencies and applying principles and techniques of effective written and oral communication. Students are prepared for success at the ROTC National Advanced Leadership Course. <i>Co-requisite: MS 3304b.</i>
MSL 1104	Leadership Lab (1) Leadership lab is required for Army ROTC students. The student will receive training in drill and ceremonies, field craft, individual movement techniques, squad tactics, map reading and land navigation, first aid, and use and maintenance of the M16 Rifle.	MSL 3304	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.
MSL 1105	Leadership Lab (1) Leadership lab is required for Army ROTC students. The student will receive training in drill and ceremonies, field craft, individual movement techniques, squad tactics, map reading and land navigation, first aid, and use and maintenance of the M16 Rifle.	MSL 3305	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.
MSL 2201	Individual Leadership Studies (2) This course develops the knowledge of self, self-confidence and individual leadership skills as well as develops problem solving and critical thinking skills and the application of communication, feedback, and conflict resolution. Emphasized areas include personal development, goal setting, communication, problem solving and decision-making, leadership, teamwork, the group process, stress management, and physical fitness. <i>Co-requisite: MS 2204a.</i>	MSL 4401	Leadership and Management (3) This course builds on the experience gained at the National Advanced Leadership Course in order to solve organizational and staff problems and discusses staff organization and functions, analysis of counseling responsibilities and methods, the principles of subordinate motivation and organizational change. Students will apply leadership and problem solving principles to a case study and or simulation. <i>Co-requisite: MS 4404a.</i>
MSL 2202	Leadership and Teamwork (2) This course focuses on self-development guided by knowledge of self and group processes by focusing on challenging current beliefs, knowledge and skills. <i>Co-requisite: MS 2204b.</i>	MSL 4402	Officership (3) This course is designed to explore topics relevant to Second Lieutenants entering the U.S. Army and focuses on the legal aspects of decision making leadership, analyzing Army organization from the tactical to the strategic level, assessing administrative and logistical functions, performance of platoon leader actions, and an examination of leader responsibilities that foster an ethical command climate. <i>Co-requisite: MS 4404b.</i>
MSL 2204	Leadership Lab (1) Leadership lab is required for Army ROTC students. The students will receive training in drill, physical training, rappelling, water survival, tactics, marksmanship, night operations, and land navigation.	MSL 4404	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.
MSL 2205	Leadership Lab (1) Leadership lab is required for Army ROTC students. The students will receive training in drill, physical training, rappelling, water survival, tactics, marksmanship, night operations, and land navigation.	MSL 4405	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,

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land navigation, individual movement techniques, water survival and rappelling.

MEDICAL TECHNOLOGY COURSES (MT)

(Offered in hospital internship only)

- MT 4400 Clinical Urinalysis (1)
The imparting of skills for performing and interpreting routine urinalyses as well as special urinalysis procedures.
- MT 4401 Clinical Urinalysis Lab (1)
This lab section includes specimen handling, procedure manual, audio-visual, quality control, record keeping, and reporting system.
- MT 4402 Clinical Microbiology (4)
This lecture course covers areas of bacteriology, mycology, and virology.
- MT 4403 Clinical Microbiology Lab (2)
This lab teaches identification methods, isolation methods, and current clinical techniques for working with bacteria, molds, viral, and rickettsial organisms.
- MT 4404 Clinical Parasitology (1)
Discussions concerning proper collection and handling of specimens for detection of parasites, techniques used to detect parasites and morphological features, and life cycles of important organisms.
- MT 4405 Clinical Parasitology Lab (1)
Use of the laboratory procedures and techniques for isolation and identification of parasitic organisms.
- MT 4406 Clinical Hematology (4)
Detailed studies of blood, including cell types, functions, number of cells, clotting mechanisms, coagulation disorders, platelet disorders, and other pertinent topics.
- MT 4407 Clinical Hematology Lab (2)
Special studies and training involving cell counts, hemoglobin and hematocrit determinations, and other special hematology procedures.
- MT 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.
- MT 4409 Immunohematology Lab (1)
Blood banking studies and techniques. Clinical applications of procedures under direct supervision.
- MT 4410 Clinical Serology (2)
Lectures emphasizing the principles and interpretations of immunological procedures. The study of the immune systems of the body. Antigen-antibody

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placement, or a grade of C or better in MTH 1105.
Note: Credit will not count toward a major or minor in mathematics.

MTH 1114 Pre-Calculus Trigonometry (3)
 This course covers trigonometric functions including definitions, identities, and trigonometric equations, applications as well as properties and graphs of trigonometric functions and their inverses. Also included are the law of sines, the law of cosines, polar coordinates, vectors, and conic sections.
Prerequisite: MTH 1112 with a grade of C or better or advanced placement. Note: Credit will not count toward a major or minor in mathematics.

MTH 1115 Pre-Calculus Algebra and Trigonometry (4)
 The course covers the algebra of functions, systems of equations and inequalities, quadratic inequalities, and the conic sections. It also includes the study of trigonometric and inverse trigonometric functions, trigonometric equations, vectors, complex numbers, polar coordinates, and DeMoivre's Theorem.
Prerequisite: MTH 1105 with a grade of C or better, appropriate score on the mathematics placement test, or advanced placement. Note: Credit will not count toward a major or minor in mathematics.

MTH 1125 Calculus I (4)
 Topics include limits of functions, derivatives of algebraic, trigonometric, exponential and logarithmic functions and their inverses and the definite

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MTH 3325 College Geometry (3)
Axiomatic systems; incidence and separation properties of planes and space; metric and synthetic approaches; geometric inequalities; parallel postulate; area-theory; circles in a plane; models for hyperbolic and elliptic geometries; and constructions with a straightedge and compass. *Prerequisite: MTH 3318 or permission of instructor.*

MTH 3331 Linear Algebra (3)
Matrices, systems of equations, determinants, eigenvalues and eigenvectors. *Prerequisite: MTH 1126 or permission of instructor.*

MTH 3364 Vector Calculus (3)
Differentiation in several variables. Line and surface integrals. Potential theory and differential forms. *Prerequisite: MTH 2227.*

MTH 4412 Discrete Mathematics (3)
Topics can include counting, graph theory, partitions, principle of inclusion and exclusion, finite geometries, applications of group theory, recurrence relations, generating functions. *Prerequisites: MTH 2227 and 3318.*

MTH 4420 Introduction to Probability and Statistics (3)

organization and use of mathematics materials for grades 6-12 will be covered in detail. A professional laboratory experience is included in this course. *Prerequisite: Admission to TEP.*

MTH 4490 Senior Seminar (1-3 hours variable credit)
Individualized study of a topic in mathematics culminating in a written and oral presentation. *Prerequisites: MTH 3318 and senior status.*

MTH 4491/4492 Guided Independent Research (3)
Additional information is indexed under Guided Independent Research and Study.

MTH 4493-4494 Guided Independent Study (3)
Additional information is indexed under Guided Independent Research and Study.

MUSIC INDUSTRY COURSES (MUI)

MUI 3305 Music Technologies (3-3)
Study of the applications of the microcomputer to music teaching and to the management, planning, and record-keeping tasks of the music educator.

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.

1115/2215/3315/4415 Organ
 1116/2216/3316/4416 Voice
 1117/2217/3317/4417 Clarinet
 1118/2218/3318/4418 Oboe

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- MUS 1100 Basic Music Skills (2-3)
 Focuses on the elements of music with emphasis on basic skills of music reading, orientation to the keyboard, sight-singing and dictation. *NOTE: This course cannot be used in meeting degree requirements other than general electives. May not be taken concurrently with any other music theory course.*
- MUS 1102 Music Theory I (3-3)
 Study of fundamental characteristics of tonal music. *Prerequisite: Grade of C in MUS 1100 or acceptable score on placement test. Students must take placement test before enrolling in this sequence. Co-requisites for music majors: MUS 1105 and 1107.*
- MUS 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.*
- MUS 1105 Class Piano I (1-2)
 Introduction to basic keyboard musicianship and music reading skills. Focuses on beginning improvisation techniques, harmonization and beginning chorale playing.
- MUS 1106 Class Piano II (1-2)
 Development of intermediate-level keyboard skills including improvisational techniques, chorale playing, sight reading and transposition. *Prerequisite: MUS 1105.*
- MUS 1107 Aural Skills I (1-2)
 Beginning sight singing and rhythmic reading. Melodic, harmonic and rhythmic dictation, including intervals, chord qualities and simple/compound meters. Beginning improvisation techniques.
- MUS 1108 Aural Skills II (1-2)
 Intermediate level sight singing and rhythmic reading. Combined melodic and harmonic dictation, with inversions and mixed meter rhythms. Continuation of improvisation techniques. *Prerequisite: MUS 1107.*
- MUS 1110-4428 Private Instruction (1 credit hour per semester, 1 lesson per week)
- 1110/2210/3310/4410 Violin
 1111/2211/3311/4411 Viola
 1112/2212/3312/4412 Cello
 1113/2213/3313/4413 String Bass
 1114/2214/3314/4414 Piano

MUS 2202	Music Theory III (3-3) Principles of 16th century counterpoint and analysis of through-composed forms. <i>Prerequisite: MUS 1103. Co-requisite for music majors: MUS 2207.</i>	MUS 3331	Survey of Western Music History II (3) This course traces the development of Western music from the 18th century through the classical, romantic and contemporary periods.
MUS 2203	Music Theory IV (3-3) Compositional techniques and analysis of later romantic period works. Introduction to 20th century composition and analysis. <i>Prerequisite: MUS 2202.</i>	MUS 3340	Diction for Singers (1) Focuses on student understanding and application of singing of the English, Italian, Latin, German and French languages through use of the International Phonetic Alphabet and appropriate art song repertoire. <i>Prerequisites: ENG 1102, MUS 2216.</i>
MUS 2207	Aural Skills III (1-2) Advanced sight singing and rhythmic reading. Contrapuntal dictation and transcription projects. Continuation of improvisation techniques. <i>Prerequisite: MUS 1108.</i>	MUS 3341	Vocal Pedagogy (1) A study of vocal teaching methods with an emphasis on application for private voice and choral teachers. This course also includes a review of vocal/choral pedagogical literature. <i>Prerequisite: MUS 2216.</i>
MUS 2230	Survey of Music Industry An introduction to practices and inter-relationships of the music industry, such as retail, recording, distribution, legal aspects, publishing media and employment.	MUS 3346	Educational Assessment in Fine Arts (3-3) This course provides a broad foundation in all aspects of assessment as it is applied to the P-12 music and art classroom, from learning theory to practical application of assessment techniques, data management, critical thinking, progress reporting and portfolio building. Assessment task design in the artistic response modes is covered, and a series of assessments that can be implemented in the music/art classroom are developed. <i>Prerequisite: Admission to TEP.</i>
MUS 2240	World Music Cultures (2) A survey of diverse musical traditions from around the globe. Musical cultures are approached anthropologically, and each culture will be examined to understand how music is entwined with human experience.	MUS 3350	Wood and Percussion Methods (1) Students will demonstrate theoretical, pedagogical and performance knowledge of/on selected wind/ percussion instruments and awareness of instrument materials and rehearsal techniques, and will review the role of the instrumental music educator in music education.
MUS 2245	Modern Popular Musics (2) This course surveys the development of popular music in America and abroad. The course develops competency in the elements and history of music as well as the ability to critically analyze popular music trends.	MUS 3351	Class Brass (1-2) Group instruction in techniques of playing and teaching brass instruments.
MUS 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.	MUS 3352	Class Woodwinds (1-2) Introduction to each of the principal woodwind instruments, emphasizing teaching techniques suitable for band classes.
MUS 3305	Music Technologies (3-3) Study of the applications of the microcomputer to music teaching and to the management, planning, and record-keeping tasks of the music educator.	MUS 3353	Class Percussion (1-2) Group instruction in playing and teaching the principal pitched and non-pitched percussion instruments.
MUS 3306	Conducting (3-3) Basic conducting techniques for instrumental and choral groups. Includes score study, rehearsal techniques and interpretation of various styles. <i>Prerequisite: MUS 1103.</i>	MUS 3354	Class Strings (1-2) Group instruction in techniques of playing and teaching stringed instruments.
MUS 3330	Survey of Western Music History I (3) This course traces the development of Western music from the ancient and medieval worlds through the Renaissance and baroque periods.	MUS 3356	Class Voice (1-2) Introduction to the use of the singing voice for non-voice principals in music education.

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- MUS 3358 Beginning Folk Guitar (1-2)
Basic introduction to guitar chording and accompanying songs in the classroom or in informal settings.
- MUS 3361 Integrating Music into the Curriculum (3-3)
Basic skills and methods of presentation and evaluation for music in grades P-6. Role-playing experiences are used to demonstrate appropriate materials, student invol

ceptional populations and designing musical activities for each. *Prerequisite: sophomore standing.*

- MUS 4461 Orchestration and Arranging (2-2)
Ranges, transpositions and other characteristics of standard instruments and voices. Arranging projects geared to needs of school instrumental and choral groups. *Prerequisite: MUS 2202.*
- MUS 4470 Instrument Repair (2-2)
Course includes basic musical instrument adjustment, maintenance and repair, common industry standards and guidelines, practical evaluation and hands-on adjustment and repair.
- MUS 4471 Music for ECE and Elementary School (3-4)
Materials and planning techniques for music in grades P-6. Singing, listening, movement, instrument playing and creative activities will be explored. Multicultural elements, observation, teaching experiences, and practical application of ideas will be included. *Prerequisites: MUS 1103 and junior standing.*
- MUS 4472 Internship in Music Education (9)
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: IED 4454.*
- MUS 4481 Methods and Materials for the Secondary Music Teacher (3-4)
Teaching methods, selection, organization and use of music materials in grades 6-12. Observation and teaching experiences will be included. *Prerequisites: MUS 4471 and admission to TEP.*
- MUS 4491-4492 Guided Independent Research (1-3 credit hours per course)
Additional information may be found under Independent Research and Study.
- MUS 4493-4494 Guided Independent Study (1-3 credit hours per course)
Additional information may be found under Independent Research and Study.
- MUS 4499 Senior Recital (1-1)
Public performances of the senior recital. Required for all music education majors.

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cations. *Prerequisites: NSG 1140, NSG 1141, and BIO 3372, L372.*

NSG 2213 Nutrition (2-2)
Introduces the concept of nutrition and its importance to health throughout the life span. Focuses on

- NSG 1160 Introduction to Technology in Nursing Education (1)
Provides a foundation for using computer technology in nursing education. Addresses digital communication, resources, and research used in learning. Includes communication through electronic mail and course discussion using the World Wide Web as an information tool, online scholarly research, and digital presentations. Open to all majors.
- NSG 2201 Dosage Calculations (1)
Uses mathematical principles, symbols, conversions and computations for accurate calculation of dosages for safe and effective medication administration for patients of all ages. Explores current evidence and health care policy related to safe and effective medication administration. *Prerequisite: Admission to BSN program.*
- NSG 2204 Nutrition (2)
A study of macro and micronutrients, their metabolism in the body, and their influence on health states of individuals from diverse cultural, ethnic and religious groups of all ages. Examines nutritional research and health policy. Compares nutritional adequacy to evidence-based national standards. Open to all majors.
- NSG 2205 Human Growth and Development (3)
Examines developmental theories and internal and external dimensions of growth and development. Emphasizes tasks, stressors, common health alterations, and anticipatory guidance specific to developmental stages throughout the life span. Open to all majors.
- NSG 2211 Human Nutrition (3)
Explores the relationship between nutrition and health. Emphasizes the roles of nutrients, their utilization in the human system and their contributions to the health of individuals of all ages. Includes dietary patterns of various cultural, ethnic and religious groups, nutritional assessments, and food safety. Open to all majors.
- NSG 2220 Health Science Informatics (3)
Provides a foundation for the study of information and its utilization through computer technology; encompasses access, dissemination, and management of health science information and Internet communication. General topics include communication through electronic mail, using the World Wide Web as an information tool, online scholarly research, and digital presentations and publishing. Course focus is the application of technology skills in health science fields. Open to all majors. *Prerequisite: Sophomore standing.*

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NSG 3309	<p>Health Assessment (2)</p> <p>Focuses on the assessment phase of the nursing process as a means of collecting data for use in making clinical decisions for the promotion of safe, quality care. Emphasizes acquisition of knowledge and skills required to perform health assessments focusing on physical, psychosocial, cultural, and spiritual components of individuals at various ages and communication of findings. <i>Prerequisites: BIO 3347, L347, 3348, L348. Corequisite: NSG 3310.</i></p>		<p>the role of nurse extern. <i>Prerequisites: NSG 3313, 3314.</i></p>
NSG 3310	<p>Health Assessment Practicum (1-2)</p> <p>Provides opportunities for students to practice health assessment skills required for culturally diverse individuals of all ages. Includes analysis and communication of findings for the promotion of safe, quality care. Requires demonstration of effective communication and performance of health assessment skills consistent with best practices. <i>Prerequisites: BIO 3347, L347, 3348, L348. Corequisite: NSG 3309.</i></p>	NSG 3319	<p>Informatics in Nursing (2)</p> <p>Focuses on development of knowledge and skills in information management and patient care technology, including data gathering, technological supports for therapeutic nursing interventions, and clinical decision-support systems. Explores use of technology to gather evidence for support of best practices for the delivery of safe and quality nursing care. Presents software applications used in nursing informatics. <i>Prerequisites: NSG 3325/3326, 3334/3335 or admission to RN-BSN/MSN track.</i></p>
NSG 3313	<p>Nursing Concepts (3)</p> <p>Explores common health alterations for individuals of all ages in response to internal and external environmental dimensions. Examines the physical, psychosocial, cultural, and spiritual components influencing health states. Introduces the concept of illness as an alteration in health. Presents fundamental skills used in the implementation of therapeutic nursing interventions. Introduces evidence-based clinical decisions in the application of the nursing process for health promotion and clinical prevention. <i>Prerequisite: Admission to BSN Program. Prerequisite or Corequisite: NSG 2201, 3306, 3309/3310, 3315. Corequisite: NSG 3314.</i></p>	NSG 3323	<p>Maternal-Infant Health Nursing (3)</p> <p>Explores both normal childbearing families and childbearing families with health alterations in response to internal and external environmental dimensions. Examines the interrelationships among the physical, psychosocial, cultural, and spiritual components of the childbearing experience. Emphasizes evidence-based clinical decisions for the utilization of therapeutic nursing interventions, communication, and collaboration in a caring environment for the promotion of optimal health states of childbearing families. <i>Prerequisites: NSG 3301, 3325/3326, 3334/3335. Corequisite: NSG 3324. Idpexttentionofbas</i></p>
NSG 3314	<p>Nursing Concepts Practicum (3-6)</p> <p>Provides clinical learning opportunities for students to develop basic nursing knowledge and skills for the care of individuals of all ages who require assistance in meeting basic health needs and adapting to common health alterations. Uses key elements in professional nursing practice in the application of the nursing process as a systematic approach to clinical prevention, health promotion and maintenance, and illness and restorative care. Requires validation of competencies related to safe performance of basic nursing skills. <i>Prerequisite: Admission to BSN Program. Prerequisite or Corequisite: NSG 2201, 3306, 3309/3310, 3315. Corequisite: NSG 3313.</i></p>		
NSG 3315	<p>Pathophysiology (3)</p> <p>Explores the relationship between normal and altered physiology in human systems. Examines physiological adaptive responses to internal and external dimensions, including genetics, ethnicity, environment and age. Emphasizes pathophysiologic responses to altered states of health and disease on structures and functions of body cells, organs and systems. Open to all majors. <i>Prerequisites: BIO 3347, L347, 3348, L348.</i></p>		
NSG 3317	<p>Nurse Extern Experience (1)</p> <p>This course prepares the nursing student for the nurse extern experience and presents a practical approach to the development of skills necessary in</p>		

administration. *Prerequisites: NSG 2201, 3306.*

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- NSG 4407 Clinical Nutrition (1)
A study of clinical nutrition therapy for support of adaptive responses to potential or actual major disease-specific health alterations. Presents best practices with consideration of physical, psychosocial, cultural and developmental components for clinical decisions in the design and implementation of therapeutic nursing interventions for health promotion and clinical prevention for individuals, families, communities, and population. *Prerequisites: NSG 3332/3333, 4413/4414 or admission to the RN-BSN/MSN clinical nursing sequence.*
- NSG 4413 Complex Nursing (3)
Interprets complex, multi-system health alterations in response to internal and external environmental dimensions. Examines theories related to stress and crisis management. Emphasizes evidence-based clinical decisions in a caring environment, utilization of communication and collaboration, and the integration of information technology, research findings, ethical competence, and cultural humility in nursing practice for the promotion of optimal health in individuals with complex, multi-system health alterations. *Prerequisites: NSG 3323/3324, 3336/3337, 3319. Corequisite: NSG 4414.*
- NSG 4414 Complex Nursing Practicum (2-4)
Provides clinical learning opportunities for students to provide nursing care for individuals and groups experiencing complex, multi-system health alterations in response to internal and external dimensions. Emphasizes clinical reasoning in the application of the nursing process in collaboration for promotion of optimal health states in response to complex, multi-system health alterations. Focuses on performance of complex care skills required for safe, quality nursing care. *Prerequisites: NSG 3323/3324, 3336/3337, 3319. Corequisite: NSG 4413.*
- NSG 4415 Nursing Leader

- PER 2201 Intermediate Persian (Farsi) I (3-3)
Progressive development of basic language skills in Modern Persian. *Prerequisite: PER 1102 or permission of instructor.*
- PER 2202 Intermediate Persian (Farsi) II (3-3)
Progressive development of basic language skills in Modern Persian. *Prerequisite: PER 2201 or permission of instructor.*

PHILOSOPHY COURSES (PHI)

- POL 4415 International Conflict (3)
This course provides a detailed examination of patterns of international conflict and methods employed to manage them: bases, emergence, escalation, de-escalation, negotiation, mediation, termination, and consequences. Specific episodes of international conflict will be investigated.
- POL 4420 Constitutional Law (3)
A survey of the legal, political, and methodological problems in constitutional law.
- POL 4421 Introduction to Public Administration (3)
An introduction to the historical, institutional, and political context of the profession; current trends and issues; and the role of public administration in the larger governmental system.
- POL 4422 Public Policy Making (3)
An introduction to the processes by which American public policy is formulated, implemented, and evaluated and to the roles of policy analysts in solving various public problems.
- POL 4423 American Foreign Policy to 1920 (3)
A study of the factors, forces and functions in the making of American foreign policy from the 1760s to the end of World War I.
- POL 4424 Contemporary American Foreign Policy (3)
This course examines the foreign policy processes of the United States: historical traditions, political institutions, economic and military capabilities, the Congress, the Presidency, interest groups, the media, and public opinion.
- POL 4432 Comparative Public Policy (3)
This course examines the process of policy making in a cross-comparative framework that illus-

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<p>POL 4474 Terrorism and Political Violence (3) This course is designed to introduce students to the origins and significance of contemporary political violence with an emphasis on the phenomenon of terrorism. It employs an interdisciplinary, case-study approach.</p>	<p>PSY 3301 Basic Statistics (3) An introduction to descriptive and inferential statistical concepts, methods, and tools. Topics to be covered include basic terminology, measurement, data description, probability, hypothesis testing, and inferential tests (parametric and non-parametric). May be used for Sociology credit. <i>Prerequisite: MTH 1110 or higher, with a grade of C or above.</i></p>
<p>POL 4476 Politics of Southeast Asia (3) This course involves the study of politics in the Philippines, Indonesia, Vietnam, Laos, Kampuchea, Malaysia, Singapore, Brunei, Myanmar, and Thailand. It investigates the historical and cultural factors contributing to their political relationships within the region and internationally</p>	<p>PSY 3303 Educational Psychology (3) Characteristics of the learner and the teaching-learning process. Theories of learning, instruction, and motivation, and their application to students in grades P-12.</p>
<p>POL 4490 Internship in Political Science (1-3) Supervised work in an agency that can provide practical experience in the field of study. <i>Prerequisites: senior standing and approval of supervising instructor and the department chair.</i></p>	<p>PSY 3304 Abnormal Psychology (3) The study of mental disorders emphasizing their etiology, classification and amelioration as described in the current classification system of the American Psychiatric Association.</p>
<p>POL 4491-4492 Guided Independent Research (1-3 credit hours each) Additional information is indexed under Guided Independent Research and Study.</p>	<p>PSY 3309 Advanced Statistics (3) Advanced quantitative methods in psychology. Topics include linear regression, analysis of variance, non-parametric techniques, estimation procedures, individual and multiple comparisons, and experimental design. <i>Prerequisite: PSY 3301.</i></p>
<p>POL 4493 – 4494 Guided Independent Study (1-3 credit hours each) Additional information is indexed under Guided Independent Research and Study.</p>	<p>PSY 3310 Sensation and Perception (3) A study of how sensory information helps both the human species and other animals to thrive. Explo-</p>
<p>POL 4495 Selected Topics in Political Science (3) Examines selected topics of a timely nature and/or special interest within the field of political science.</p>	

PSYCHOLOGY COURSES (PSY)

<p>PSY 2200 General Psychology (3) A survey of the basic theories, concepts, principles, and research findings in the field of psychology.</p>
<p>PSY 2201 Honors General Psychology (3) A survey of the basic theories, concepts, principles, and research findings in the field of psychology.</p>
<p>PSY 2205 Psychology of Adjustment (3) A course in mental health, designed to assist the individual in making a good adjustment to the changing requirements of the environment.</p>
<p>PSY 2210 Developmental Psychology (3) A study of human development across the life-span with emphasis on psychosocial, physical, emotional, and cognitive changes.</p>
<p>PSY 2230 Orientation to Psychology (3) Introduction to the language of psychology, APA writing style, and library research. Also includes an over view of career paths in psychology.</p>

PSY 3325 Adolescent Psychology (3)
Adolescents from puberty to early adulthood. Includes physical, cognitive, social, emotional, and

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PSY 4421	<p>Physiological Psychology (3) The physiological correlates of behavior will be examined, including such topics as neurotransmitters and hormones, drugs, and the biological roots of mental disorders. <i>Prerequisite: Six semester hours of psychology.</i></p>	PSY 4460	<p>Cognitive Psychology (3) A study of human intellectual functioning including attention, perception, memory, problem solving, reasoning and language. <i>Prerequisite: Six semester hours of psychology.</i></p>
PSY 4430	<p>Introduction to Substance Abuse Counseling (3) This course provides an introduction to substance abuse counseling through studies of mind-altering substances; etiological theories of addiction; assessment interviewing and screening tests; individual, group, family, and other treatment options; relapse prevention; and community prevention programs.</p>	PSY 4470	<p>Advanced Theories of Developmental Psychology (3) Comparative study of major developmental theories from the exogenous, endogenous, and constructivist paradigms. Includes history, structural components, contributions, criticisms, evaluation, and relevant research of each theory. <i>Prerequisite: Six semester hours of psychology.</i></p>
PSY 4434	<p>Drug Education, Prevention and Intervention (3) A study of commonly abused drugs, drug abuse prevention, and treatment techniques. Examines characteristics of people at high risk to become substance abusers/addicted. <i>Prerequisite: senior standing.</i></p>	PSY 4475	<p>Theories of Training and Evaluation (3) Examines evaluation issues such as criteria development, organizational assessment, process and outcome criteria, along with instructional methodologies such as fairness in training, special populations, second careers, and ethics of organizational and industrial change. <i>Prerequisite: Six semester hours of psychology.</i></p>
PSY 4435	<p>Treatment of Addictive Family Diseases (3) A study of typical characteristics of dysfunctional families. Provides the basis for suggested intervention techniques, appropriate areas of family education, and guidelines for effective therapy. <i>Prerequisite: senior standing.</i></p>	PSY 4480	<p>Senior Seminar in Psychology (3) A capstone course designed to integrate subject matter learned in previous courses, encourage critical analysis of contemporary issues, and contemplate future educational and employment opportunities in psychology. <i>Prerequisite: Senior standing.</i></p>
PSY 4436	<p>Treatment Theories and Modalities of Addictive Diseases (3) A study of historical perspectives and the most effective treatment and assessment approaches of addictive diseases. <i>Prerequisite: senior standing.</i></p>	PSY 4491	<p>Guided Independent Research (3) This course is designed to provide supervised research in the area of psychology. Opportunities for undergraduate research</p>
PSY 4450	<p>Theories of Personality (3) Critical analysis of major theories and systems of personality. <i>Prerequisite: Six semester hours of psychology.</i></p>		
PSY 4451	<p>History and Systems of Psychology (3) Study of the development of psychology from its historical antecedents with special emphasis placed on contemporary schools and systems of psychological thought. <i>Prerequisite: Six semester hours of psychology.</i></p>		
PSY 4456	<p>Gerontology (3) The study of aging. Emphasis on biomedical, psychological, and social aspects of middle and late adulthood.</p>		
PSY 4459	<p>Applied Behavior Analysis (3) Training and experience in design, execution, and evaluation of behavior modification for professionals in fields of counseling, education, rehabilitation, and psychology. Provides study of key concepts of classical and operant conditioning, as well as discussion and application of specific strategies building on conditioning principles. <i>Prerequisite: Six semester hours of psychology.</i></p>		

not be used to repeat a course for which a grade of D or below has been earned. Also see index for "Independent Study and Research."

PSY 4493 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills. *Prerequisite: Junior or senior status, permission of guiding professor, approval of department chairperson and the dean. A written request is to be submitted to the department chairperson at least two weeks in advance of the term in which study is to be undertaken. May not be used to repeat a course for which a grade of D or below has been earned.*

PSY 4494 Guided Independent Study (1-3)
Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills. *Prerequisite: Junior or senior status, permission of guiding professor, approval of department chairperson and the dean. A written request is to be submitted to the department chairperson at least two weeks in advance of the term in which study is to be undertaken. May not be used to repeat a course for which a grade of D or below has been earned. Also see index for "Independent Study and Research."*

RED 3380 Children's Literature (3)
The purpose of this course is to assist undergraduate students as they investigate and construct an understanding of and techniques to incorporate children's literature across the curriculum. Pertinent topics include award-winning authors and titles found in children's literature among a variety of genre, along with developmentally appropriate instructional techniques. *Prerequisite: Admission to TEP.*

RED 4481 Language and Literacy I: Grades P-3 (3)
Literacy instruction for the P-3 learner with emphasis on child development, learning theories, individual differences, emergent and early literacy, and examination of current materials and instructional practices used in teaching literacy. *Prerequisite: Admission to TEP.*

RED 4482 Language and Literacy II: Grades 4-6 (3)
Literacy instruction for the learner in grades 4-6 with emphasis on the principles of reading and language arts instruction, teaching strategies, and methods of expanding reading power. This course requires substantial field experience in the grades 4-6 setting. *Prerequisite: Admission to TEP.*

RED 4483 Language and Literacy III: Intervention Strategies (3)
Principles of assessment and evaluation for improving the language and literacy learning. Pre-service teachers will be introduced to the variety of screening and testing instruments for use in modifying students' instructional programs. Formal and informal methods for classroom observations will be explored, and methods for translating data collected for classroom management and/or communication to learners' parents will be introduced. The issues of privacy and ethical treatment of confidential records will also be addressed. *Prerequisite: Admission to TEP, RED 4481.*

RED 4484 Language and Literacy IV (3)
This course provides a study of teaching reading in grades P-12, emphasizing methods in the content areas. *Prerequisites: EDU 3310, 20 semester hours in the major, and admission to TEP.*

RED 4491-4492 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 cp6(of r)lsl2r()TJ:e*

QUANTITATIVE METHODS COURSES (QM)

QM 2241 Business Statistics I (3)
An introduction to descriptive and inferential statistical concepts and methods. Topics include grouping of data, measures of central tendency and dispersion, probability concepts and distributions, sampling, statistical estimation, and statistical hypothesis testing. *Prerequisite: MTH 1112.*

QM 3341 Business Statistics II (3)
A continuation of basic business statistics. Topics include comparison involving means and proportions, ANOVA, simple linear regression and correlation, multiple linear regression, chi-squared applications, nonparametric methods, and simple decision analysis. *Prerequisite: QM 2241.*

QM 3342 Introduction to Operations Research (3)
An introduction to quantitative techniques applicable to business and economics. Topics include queuing analysis, transportation programming, PERT/CPM, and simple linear regression. *Prerequisite: QM 2241.*

READING/LITERACY COURSES (RED)

RED 0098 Reading I (3)
A course for those students who are deficient in basic reading skills such as word recognition, comprehension and study skills. A placement test will be required. *NOTE: May not be audited. Institutional credit only.*

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RED 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. Also see index for*

RHB 4450 Senior Seminar (2)
 The impact of recent changes in federal and state legislation and the role and function of professional organizations and their positions on current issues.
Prerequisite: HS/RHB major with senior standing or permission of instructor.

RHB 9920 Youth Leadership Forum Practicum (3)
 The goal of the Youth Leadership Forum (YLF) is to develop a network of young adults with disabilities who realize their ability to pursue meaningful employment and societal contributions, while helping break down the barriers to independence for people with disabilities. Students taking RHB 9920 serve as group leaders for YLF participants and organize and carry out group activities and participant events. Requires Pre-YLF leadership training during the spring semester and a commitment to live on campus with the YLF participants for approximately a week. *Prerequisite: Permission of instructor.*

RISK MANAGEMENT AND INSURANCE COURSES (RMI)

RMI 3335 Principles of Risk Management and Insurance (3)
 An introduction to the legal principles underlying insurance, the basics of risk management, the application of risk management techniques to personal risk management problems, personal property and liability insurance contracts including the personal auto policy and the homeowner's package, insurance regulation, and the insurance marketplace.

RMI 3340 Surplus Lines and Reinsurance (3)
 A study of the excess and surplus lines insurance markets as well as the reinsurance sector of the insurance industry. The course covers the formation and classification of these companies, their distribution systems, their regulation, their accounting procedures, and a comparison of these companies to admitted insurers. *Prerequisite: RMI 3335 or permission of department chair.*

RMI 3346 Life and Health Insurance (3)
 Study of types of life insurance and annuity con-

2MI 3346: RMIan(3335(an3-1386352()mion of departme1.786.)6.67nt cha)6.78.1(the)5.2(i)nc TT4 1 Tf-4 -1.4663 TD8.0015 Tc.0019 T

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Independent Research and Study. Note: This course may not be substituted for any required course.

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SCI 4491-4492 Guided Independent Research (1-4 credit hours per course per semester)
Additional information is indexed under Guided Independent Research and Study.

SCI 4493-4494 Guided Independent Research (1-4 credit hours per course per semester)
Additional information is indexed under Guided Independent Research and Study.

SECONDARY EDUCATION COURSES (SED)

- SED 3346 Educational Assessment (3)
This course provides a study of measurement and evaluation techniques for the secondary and P-12 teacher. Emphasis will be placed on the selection, evaluation, administration, scoring and interpretation of selected measures of student performance, achievement and behavior. The student will demonstrate skills in utilizing measurement data to plan appropriate learning activities for students. *Prerequisite: Admission to TEP.*
- SED 4400 Classroom Management (3)
This course is designed for all secondary and P-12 education majors. The purpose of this course is to establish a foundation of content and application relative to classroom management and discipline, emphasizing reflection, decision making, and integrated teaching/learning strategies. Methodologies utilized will include discussion, lecture, field experience, case studies, problem solving sessions, projects, and research.
- SED 4454 Internship Seminar for Secondary Education (3)
This course provides seniors an opportunity during internship to examine broad educational issues and concerns, topics on the state and local levels and the TD0 15 Tcat

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provides a cross-category focus. Moreover, methods such as cognitive learning strategies are examined in depth. *Prerequisites: SPE 3349 and Admission to TEP.*

- SPE 3304 Teaching Students with Moderate/Severe Disabilities (6-12) (3)
This course emphasizes a variety of educational strategies for secondary students with moderate and severe disabilities. Special emphasis is placed on the post-secondary adjustment of students with complex needs. *Prerequisites: SPE 3302 and Admission to TEP.*
- SPE 3305 Transition Planning (3)
This course emphasizes educational strategies that promote the post-school adjustment of students with disabilities. Special emphasis is placed on the legal foundation of transition and effective transition models. *Prerequisites: SPE 3303, 3304, 3340, and Admission to TEP.*
- SPE 3306 Teaching Students with Mild Disabilities (3)
This course will focus on organizational procedures, universal design of curriculum, methods and techniques used in educating students with specific learning disabilities, mild mental retardation, emotional/behavioral disorder

teachers, and other course topics. *Prerequisites: SPE 4465 and Admission to TEP.*

SPANISH COURSES (SPN)

Note: For additional information, see Placement in Academic Courses.

SPE 4460	Collaboration in Education Practices (3) This course provides students with both the intrapersonal and interpersonal skills needed to effectively collaborate with other teachers, administrators, parents and agencies. <i>Prerequisite: Admission to TEP.</i>	SPN 1141	Introductory Spanish I (3) Introduction to the Spanish language and Hispanic cultures.
SPE 4465	Collaborative Teacher (6-12) Internship (9) The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a University supervisor for a period of one full semester. The student will demonstrate skills of the innovative, informed, reflective decision-maker through the internship experience. <i>Prerequisite: SPE 4454 and Admission to TEP.</i>	SPN 1142	Introductory Spanish II (3) Introduction to the Spanish language and Hispanic cultures. <i>Prerequisite: SPN 1141 or permission of instructor.</i>
SPE 4474	Collaborative Teacher K-6 Internship (9) The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. <i>Prerequisite: Admission to TEP. Co-requisite: SPE 4454.</i>	SPN 2241	Intermediate Spanish I (3) A review of grammar and readings in Spanish literature and civilization. <i>Prerequisite: SPN 1142 or permission of instructor.</i>
SPE 4491-4492	Guided Independent Research (1-3) Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. <i>Prerequisites: junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chairperson or dean. A written request is to be submitted to the department chairperson at least two weeks in advance of the term in which study is to be undertaken. May not be used to repeat a course for which a grade of D or below has been earned. Application forms are available in the Office of University Records. Guided independent research may be taken only in the applicant's major or minor field. Also see index for "Independent Study and Research."</i>	SPN 2242	Intermediate Spanish II (3) Reinforcement of grammatical skills, reading of simple Spanish prose and poetry, composition and conversation. <i>Prerequisite: SPN 2241 or permission of instructor.</i>
SPE 4493-4494	Guided Independent Study (1-3) Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills. <i>Prerequisites: junior or senior status, permission of guiding professor, approval of department chairperson and the dean. A written request is to be submitted to the department chairperson at least two weeks in advance of the term in which study is to be undertaken. May not be used to repeat a course for which a grade of D or below has been earned. Also see index for "Independent Study and Research."</i>	SPN 3332	Advanced Spanish I (3) Advanced-level reading, intensive work on composition, comprehensive treatment of Spanish phonetics. <i>Prerequisite: SPN 2242 or permission of instructor.</i>
		SPN 3333	Advanced Spanish II (3) Advanced-level reading, intensive work on aural comprehension and practical conversation facility, continued development of composition skills. <i>Prerequisite: SPN 2242 or permission of instructor.</i>
		SPN 3350	Hispanic Culture on Location I (3-TBA) An in-depth presentation of Hispanic culture combining lectures, readings, films, audiotapes, discussions and intensive language practice on the Troy campus with on-site visit to an Hispanic environment. <i>Prerequisite: Permission of instructor.</i>
		SPN 3357	Hispanic Culture on Location II (3-TBA) An in-depth presentation of Hispanic culture combining lectures, readings, films, audiotapes, discussions and intensive language practice on the Troy campus with on-site visit to an Hispanic environment. <i>Prerequisite: Permission of instructor.</i>
		SPN 4447	Readings in Hispanic Literature (3) In-depth study of the works of a selected major author, period or genre in the literature of Spain or Spanish America. <i>Note: May be repeated for credit. Prerequisite: SPN 2242 or permission of instructor.</i>
		SPN 4450	Hispanic Culture and Civilization (3) A survey of the geography, history, cultural achievements, institutions and daily life of Spain and other Hispanic countries. May be repeated once for a total of six credit hours. <i>Prerequisite: SPN 2242 or permission of instructor.</i>

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

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

SOCIAL SCIENCE COURSES (SS)

SS 3375 Introduction to Social Science Inquiry (3)
Principles of pure and applied research for the social sciences. Special emphasis is given to the types of research methods employed by social scientists including survey techniques, field research, quasi-experimental designs and analytical procedures currently used in the social sciences. *Prerequisite: general studies math.*

SS 3376 Applications of Social Science Inquiry (3)
A detailed description of what social scientists do with the information they gather. Particular attention is given to descriptive and inferential statistics, the relationship between research and policy, evaluation research, and research ethics. *Prerequisite: general studies math.*

SS 4474 Internship in Secondary Social Science Education (9)
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: SED 4454.7.3(des7((ce)8.m providTw)ty)-n-nqui6lminat-.2(-1.7o TE)4.947e*

BOARD OF TRUSTEES

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State Superintendent of Education, ex-officio

R. DOUGLAS HAWKINS, D.V.M.
President pro tempore

GERALD O. DIAL
Vice President pro tempore

Area

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2nd Area DR. R. DOUGLAS HAWKINS

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Dean, Student Services (Montgomery) Charles Western, Ph.D.
 Dean, Student Services (Phenix City) Jack Miller, M.B.A.
 Dean, Student Services (Troy) Herbert E. Reeves, M.S.
 Campus Registrar and Dean Student Services, Global Campus
 Robert Allen, M.A.T.
 Dean, Enrollment Management Sidney R. Starling, Jr. M.B.A.
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 Chief Officer, Technology and Security Greg Price, M.L.A.
 Director, Student Involvement and Leadership
 Barbara E. Patterson, M.S.Ed.
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 Director, State/Federal Government Affairs Marcus Paramore, M.S.
 Director, Local Government Relations and Coordinator of Special Projects
 Alan Boothe, M.S.
 Chief of University Police Rod Anderson, B.S.

Arrington, Pamela, 2009. *Associate Dean, Professor*, Montgomery. B.A., Spelman College, 1974. M.A., The University of Michigan, 1975. Ph.D., George Mason University, 1995.
 Astone, Mary K., 1994. *Assistant Professor*, Troy. B.A., Southern Illinois University Edwardsville, 1973. B.S., Louisiana State University at Alexandria, 1978. Ph.D., Auburn University, 1995.
 Atwater, Leonard Bryden, 2002. *Lecturer*, Troy. B.M.E., Troy State University, 2000. M.S., Troy State University, 2005.
 Avant, Bernard, 1998. *Assistant Professor*, Troy. B.A., Florida A & M University, 1968. M.P.H., Loma Linda University, 1973.
 Avery, Glenda Pauline Rustin, 2003. *Associate Professor*, Phenix City Nursing. B.S.N., Mississippi University For Women, 1989. M.S.N., Mississippi University For Women, 1990. Ph.D., Georgia State University, 2000.
 Baek, Chung, 2006. *Assistant Professor*, Dothan. B.S., Yonsei University,

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

FACULTY

Complete faculty information is available from the Office of the Executive Vice Chancellor and Provost.

Abbey, Robert F., 2001. *Associate Professor*, Atlantic Region. B.S., University of Oregon, 1969. M.S., Colorado State University, 1973. M.P.A., University of Southern California, 1982. D.P.A., University of Southern California, 1985.
 Adams, James N., 2005. *Lecturer*, Troy. B.A., University of Puget Sound, 1973. M.A., Washington State University, 1981.
 Aisami, Riad S., 2003. *Associate Professor*, Augusta, Ga. Southeast Region. B.A., Bagdad University, 1980. M.Ed., Tuskegee University, 1983. Ph.D., Wayne State University, 1988.
 Alberich, Johanna Mendez, 2007. *Assistant Professor*, Troy. B.S., Auburn University, 1998. M.A., Auburn University, 2001. Ph.D., University of Alabama, 2006.
 Allard, Catherine L., 1989. *Professor*, Troy. B.M., SUNY College at Potsdam, 1977. M.S., SUNY College at Potsdam, 1978. D.M.A., Peabody Conservatory of John Hopkins, 1991.
 Allen, Annette M., 2006. *Associate Professor*, Montgomery. B.A., Indiana University, 1982. M.A., University of North Texas, 1986. Ph.D., University of North Texas, 1994.
 Allen, Pamela S., 1990. *Associate Professor*, Troy. B.A.E., University of Florida, 1977. B.F.A., Ringling School of Art and Design, 1987. M.F.A., University of Mississippi, 1989.
 Allen, Tina Kathalyn D., 1987. *Associate Professor*, Montgomery Nursing. B.S.N., Tuskegee University, 1976. M.S.N., University of Alabama at Birmingham, 1979. Ed.D., Auburn University, 2004.
 Amponsah, David K., 2000. *Associate Professor*, Troy. B.S., Andrews University, 1972. M.B.A., Andrews University, 1973. Ph.D., Michigan State University, 1987.
 Anderson, Holly H., 1993. *Assistant Professor*, Troy. B.S.E., Auburn University, 1984. M.S.E., Troy State University, 1987. Ed.S., Auburn University at Montgomery, 1996.
 Anderson, John H., 1989. *Associate Professor*, Troy. B.S.E., Auburn University, 1965. M.S.E., Troy State University, 1969.
 Anderson, Terry, 1998. *Associate Professor*, Southeast Region. B.A., Stetson University, 1969. B.A., University of Central Florida, 1973. Ph.D., Florida Atlantic University, 1997.
 Andrew, Damon, 2008. *Dean, College of Health and Human Services; Professor*, Troy. B.S., University of South Alabama, 1998. M.S., University of South Alabama, 1999. M.S., University of Florida, 2002. Ph.D., Florida State University, 2004.
 Andrews, Amanda K., 2003. *Associate Professor*, Troy. B.S., University at Buffalo, 2000. M.S., Eastern Kentucky University, 2001. Ph.D., University of Southern Mississippi, 2003.
 Arrington, David L., 2005. *Assistant Professor*, Dothan. B.S., University of Southern Mississippi, 1997. Ph.D., University of Alabama, 2008.

Billington, Neil, 2000. *Professor*, Troy. B.S., Loughborough University,

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- Cohen, Glenn M., 1997. *Professor*, Troy. B.A., Rutgers University, 1965. Ph.D., Florida State University, 1970.
- Colaco, Bridgette P., 2007. *Assistant Professor*, Troy. B.A., St. Xavier's College-Calcutta, India, 1995. M.A., University of Calcutta, India, 1998. Ph.D., Southern Illinois University, 2007.
- Cole, Emma Elizabeth, 2009. *Lecturer*, Montgomery. B.S.B.A., Auburn University, 1990. M.B.A., Troy University, 2009.
- Colley, Mary Catherine, 2006. *Assistant Professor*, Phenix City. B.A., Auburn University, 1994. M.B.A., Auburn University, 1998. Ph.D., University of Southern Mississippi, 2006.
- Collins, Thomas S., 2009. *Associate Professor*, Dothan. B.S.A., University of Iowa, 1983. M.A., University of Iowa, 1985. J.D., University of Iowa, 1997.
- Collins, Vikki Christina, 2007. *Associate Professor*, Phenix City. B.S., Columbus State University, 1976. M.Ed., Columbus State University, 1980. Ph.D., Georgia State University, 1994.
- Connell-Sims, Rebecca W., 1999. *Lecturer*, Troy. B.S.E., Troy State University, 1999. M.S.E., Troy State University, 2002.
- Cooley, Davie Tyler, 2002. *Assistant Professor*, Dothan. B.S., Troy State University at Dothan, 1987. M.S., Troy State University at Dothan, 1993.
- Cooper, Stephen, 1985. *Professor*, Troy. B.A., University of Delaware, 1977. M.A., University of North Carolina at Chapel Hill, 1979. Ph.D., University of North Carolina at Chapel Hill, 1985.
- Coraggio, Louis, 1990. *Associate Professor*, Western Region. B.S., University of Arizona, 1973. M.B.A., University of Arizona, 1986. Ph.D., University of Arizona, 1990.
- Cox, Andrew Anthony, 1979. *Professor*, Phenix City. B.A., LaGrange College, 1970. M.Ed., West Georgia College, 1972. Ed.D., Mississippi State University, 1978. M.S.W., University of Alabama, 1994.
- Craig, Kern William, 2004. *Assistant Professor*, Ft. Walton Beach Southeast Region. B.S., California State University, 1987. M.B.A., Fairleigh Dickinson University, 1989. Ph.D., University of Mississippi, 1995.
- Crawford, Mary Grace, 2001. *Assistant Professor*, Montgomery Nursing. B.S.N., University of Alabama at Birmingham, 1976. M.S.N., University of Alabama at Birmingham, 1981.
- Creamer, David Andrew, 2001. *Chair, Associate Professor*, Troy. B.A., University of Central Florida, 1972. M.Ed., Wayne State University, 1975. M.A., University of Central Florida, 1980. Ed.D., University of Florida, 1982.
- Crews, E. Mickey, 1986. *Professor*, Southeast Region. B.A., Lee College, 1979. M.A. (S), 4.E.0014 Professor in Dothan, 1983, Middle Tennessee State University, (S), 4.E.JT:0038 Tc-.0057 Tw(1988).5.7()JT/TT4 1 Tf-2.2556 -1.2857 TD.0024 Tc
 University, 1976. M.A., Middle Tennessee State University, 1980. D.A., Middle Tennessee State University, 1984.
- Curnutt, Kirk L., 1993. *Chair, Professor*

Fielding, Joseph M., 1998. *Associate Professor*, Dothan. B.B.A., Pace University, 1959. M.B.A., Baruch College/CUNY, 1963. Ph.D., The American University, London, 1997.

Figiel, Victoria, 2006. *Assistant Professor*, Ft. Benning, Ga. Southeast Region. B.S., Christian Brothe

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- Haynes, Jeffrey, 2007. *Assistant Professor*, Southeast Region. B.A., Eckerd College, 1994. M.A., Saybrook Graduate School and Research Center, 1999. Ph.D., Saybrook Graduate School and Research Center, 2003.
- He, Ping, 2008. *Assistant Professor*, Troy. B.S., Sichuan Institute of Light Industry & Chemical Technology, 1991. M.S., University of Massachusetts - Amherst, 2004. Ph.D., Virginia Tech, 2007.
- Heidemann, Elizabeth H., 1991. *Assistant Professor*, Montgomery Library. B.S., Northwestern University, 1956. M.S., University of Illinois, 1958.
- Heisler, William J., 2003. *Professor*, Atlantic Region. B.M.E., Union College, 1964. M.B.A., Syracuse University, 1970. Ph.D., Syracuse University, 1972.
- Heller, Nathan, 2008. *Assistant Professor*, Western Region. B.A., University of Texas, 1996. M.B.A., Brigham Young University, 2001. Ph.D., Arizona State University, 2001.
- Henderson, Cassandra, 1992. *Assistant Professor*, Montgomery Nursing. B.S.N., University of Alabama at Birmingham, 1977. M.S.N., University of Alabama at Birmingham, 1982.
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- Roberts, Kristie, 2009. *Assistant Professor*, Albany, Ga. Southeast Region. B.A., Fort Valley State University, 1993. M.P.A., Albany State University, 1995. Ph.D., Jackson State University, 2003.
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APPENDICES

TROY UNIVERSITY POLICY ON HARASSMENT AND DISCRIMINATION

I. Statement of Philosophy

Troy University is proud of its tradition of friendly and congenial relations between students and employees (faculty, staff and administrators). The University is committed to maintaining an environment that nourishes respect for the dignity of each individual and creates an atmosphere in which students and employees can interact productively. In keeping with these goals, harassment by anyone (whether in the classroom, the office, at a University sponsored function, or within any University environment) will not be tolerated.

II. Definition of Harassment

For purposes of Troy University's policy, harassment is defined as a course of comments or conduct consisting of words or actions that are unwelcome or offensive to a person in relation to sex, race, age, religion, national origin, sexual orientation, color, pregnancy, disability, or veteran status. It can include comments or conduct by a person in a position of authority that is intimidating, threatening or abusive and may be accompanied by direct or implied threats to the individual's grade(s), status, or job. Harassment can also occur between people of similar authority. Harassment occurs when it is known or ought reasonably to be known that such comments or conduct would be unwelcome.

Examples of harassment include gestures, remarks, jokes, taunting, innuendo, display of offensive materials, threats, imposition of academic penalties, hazing, stalking, and shunning or exclusion related to the prohibited grounds.

III. Sexual Harassment

For purposes of Troy University's policy, sexual harassment is defined as any type of sexually oriented misconduct that is unwelcome or inappropriate. Sexual harassment consists of unwelcome sexual advances, requests for sexual favors, and other verbal, graphic, or physical conduct of sexual nature when:

1. Submission to such conduct is explicitly or implicitly a term or condition of a student's or employee's academic success or employment.
2. Submission to or rejection of such conduct is used as the implicit or explicit basis for employment or academic decisions affecting the student's or employee's educational and/ or work experience.
3. Such conduct has the purpose or effect of unreasonably interfering with a student's academic performance or an employee's employment, or creates an intimidating, hostile, or offensive work or educational environment.

Examples of sexual harassment include, but are not limited to:

1. Demanding sexual favors in exchange for favorable evaluations, assignments, promotions, continued employment
8. Sexually degrading or vulgar words to describe an individual.
9. Leering, whistling, touching, pinching, brushing the body, assault, coerced sexual acts, or suggestive, insulting, or obscene comments or gestures.
10. The display in the workplace or an academic environment of sexually suggestive objects, pictures, posters or cartoons.
11. Introduction or utilization of inappropriate sexual material in an academic setting.
12. Name calling, relating stories, gossip, comments, or jokes that may be derogatory toward a particular sex.
13. The display of sexually suggestive graffiti.
14. Asking questions about sexual conduct or sexual orientation or performances.

jected, even after the parties break off a consensual relationship.

IV. Definition of Discrimination

For the purposes of Troy University's policy, discrimination is defined as any action resulting in illegal differentiation or adverse treatment of an individual based on his or her age, sex, race, religion, national origin, marital status or veteran status.

V. Individuals Covered Under the Policy

Troy University's comprehensive harassment policy covers all employees, students, applicants, and others conducting official business with the University.

VI. Procedures

A. Reporting a Complaint

Troy University encourages any person who believes he/she is a victim of harassment to try to resolve the problem informally with the person directly responsible for the harassment. This is not, however, a prerequisite for reporting or filing a complaint. The University also encourages those witnessing harassment to report such behavior.

The University recognizes that an individual may be reluctant and/or embarrassed to complain about harassment. As a consequence of this reluctance, the University provides the following reporting avenues:

1. A student may report a complaint to any member of the University's Harassment Response Team or the Student Services Office. Names and telephone numbers of the Harassment Response Team are available in the Office of Human Resources.
2. A faculty or staff member may report a complaint to the appropriate supervisor, dean, director, or vice chancellor who, in turn, will inform the complainant of the need to report the complaint to the Harassment Response Team. An individual who is uncertain about the appropriate person to whom the complaint should be addressed may direct the complaint to the campus Director of Human Resources. Names and telephone numbers of the Har-

assessment Response Team are available in the Office of Human Resources.

3. University visitors may report a complaint to the campus Office of Human Resources or call the Troy campus Office of Human Resources at (334) 670-3710.
4. At Troy Global Campus

The procedures outlined in this policy do not deny the right of any individual to pursue other avenues of recourse which may include filing charges with the Equal Employment Opportunity Commission (EEOC), initiating civil action, or redress under state, civil, or criminal statutes and/or federal law.

VI. Sanctions

A. *Employees*

Potential sanctions for harassment include the following:

- Disciplinary warning/reprimand
- Referral to appropriate counseling
- Reassignment
- Temporary suspension
- Termination

B. *Students*

Potential sanctions for harassment include the following:

- Disciplinary warning/ reprimand
- Disciplinary probation
- Suspension
- Expulsion

VIII. 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.

IX. Education and Training

The University commits to this policy by:

1. Developing and reviewing the comprehensive policy on a timely basis,
2. Annually communicating the policy to students and employees,
3. Annually training and educating students and employees,
4. Confidentiality, insofar as possible, in investigating incidents,
5. Documenting findings and maintaining records, and by
6. Taking appropriate action when incidents occur.

Troy University compiles and maintains information about students which facilitates educational development of the student and effective administration of the university. To better guarantee the rights and privacy and access as provided by the Family Educational Rights and Privacy Act of 1974, (Buckley Amendment, 20 U.S.C. 1230, 1232g) Troy University has adopted the following policies and procedures:

1. GENERAL POLICY.

Troy University shall not permit access to or the release of education records of personally identifiable information contained therein, other than directory information as defined in paragraph 4 herein, without the written consent of the student, to any party other than the following:

A. Other school officials and teachers of this university who have been determined by the university to have legitimate educational interests. A school official is:

- A person employed by the university in an administrative, supervisory, academic or research, or support staff position.
- A person elected to the Board of Trustees.
- A person employed by or under contract to the university to perform a special task, such as the attorney or auditor.

A school official has a legitimate educational interest if the official is:

- Performing a task that is specified in his or her position description or by a contract agreement.
- Performing a task related to a student's education.
- Performing a task related to the discipline of a student.
- Providing a service or benefit relating to the student or student's family, such as health care, counseling, job placement or financial aid;

B. Officials of other schools or school systems in which the student seeks or intends to enroll, upon condition that the student may receive a copy of the record if desired, and have an opportunity for a hearing to challenge the content of the record;

C. Certain authorized representatives of federal departments or agencies or state educational authorities for purposes of audits, evaluative studies, etc. Data collected will be protected in a way which prevents personal identification except when specifically authorized by federal law. The data will be destroyed when no longer needed for such purposes;

D. In connection with a student's application for, or receipt of, financial aid;

- State and local officials or authorities to which such information is specifically required to be reported or disclosed pursuant to state statute adopted prior to November 19, 1974;

E. Organizations conducting studies for, or on behalf of, educational agencies or institutions for the purpose of developing, validating, or administering predictive tests, administering student aid programs and improving instruction, if such studies are conducted in such a manner as will not permit the personal identification of students by persons other than representatives of such organizations and such information will be destroyed when no longer needed for the purpose for which it is conducted;

F. Accrediting organizations in order to carry out their accrediting functions;

G. Parents of a student who is a dependent for income tax purposes;

H. Pursuant to a lawful subpoena or court order;

I. Other appropriate persons in an emergency to protect the health or safety of the student or others. Students shall have access to all such information in accordance with the procedure outlined in this statement with the exceptions specified in paragraph "2" herein.

2. DEFINITION OF EDUCATIONAL RECORDS.

Student educational records are defined as those records, files, documents, and other materials which contain information directly related to a student and are maintained by the university or by a person acting for the university. Specifically excluded from the definition of "educational records" and not open to student inspection are the following materials:

A. Records of instructional, supervisory and administrative personnel which are in the sole possession of the maker and accessible only to the maker or a designated assistant to the maker;

15. COST OF COPIES.

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

 COURSE PREFIXES (KEY TO ABBREVIATIONS)

ACT.....	Accounting
ANT.....	Anthropology
ARB.....	Arabic
ART.....	Art and Design
AS.....	Aerospace
ASL.....	American Sign Language
AT.....	Athletic Training Education
BIO.....	Biology
BUS.....	Business
CDC.....	Cross Discipline
CHI.....	Chinese (Mandarin)
CHM.....	Chemistry
CJ.....	Criminal Justice
CLA.....	Classics
COM.....	Speech Communication
CS.....	Computer Science
DRA.....	Dramatic Arts
ECD.....	International Economic Development
ECE.....	Early Childhood Education
ECO.....	Economics
EDU.....	Education
ELE.....	Elementary Education
ENG.....	English
ESL.....	English as a Second Language
FIN.....	Finance
FLN.....	Foreign Language
FRN.....	French
GEM.....	Surveying and Geomatics Sciences
GEO.....	Geography
GER.....	German
GRK.....	Greek
HIS.....	History
HON.....	University

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