
 ACCOUNTING COURSES (ACT)

- ACT 2291 Principles of Accounting I (3)
 Modern financial accounting theory and practices applied to sole proprietorships, partnerships, and corporations. Accounting majors must complete this course with a grade of C or better.
- ACT 2292 Principles of Accounting II (3)
 Modern financial and managerial accounting theory and practices applied to an organization's liabilities, cash flows, planning, budgeting, and control. Accounting majors must complete this course with a grade of C or better. Prerequisite: ACT 2291.
- ACT 3355 Internal Auditing (3)
 Internal auditing theory as contained in official pronouncement (IIA SB, COSO, COBIT, Sarbanes-Oxley). Emphasis will be placed on material required for the CIA exam as it relates to professional ethics, audit engagement procedures, internal control, audit sampling, evidence gathering and auditor's reports. Prerequisites: ACT 2292.
- ACT 3360 Entrepreneurial Accounting (3)
 This course covers small business accounting basics that assist business owners in making business decisions based on accounting information. It emphasizes the triple bottom line reporting that refers to reporting on a company's economic, social, and environmental performance.
- ACT 3391 Intermediate Accounting I (3)
 Theory and applications of assets, liabilities, and owners' equity.

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

ART 2210 e-Drawing (3)
Introduction to drawing with emphasis on developing rendering skills applied to digital technology. Required for <<dti>>majors

ART AND DESIGN COURSES (ART)

ART 1133 Visual Arts (2)
Visual arts and their relationship to human needs and aspirations. Note: Credit for this course may not be applied toward any program in art

ART 2228 Photo Studio I (3-5)
Introduction to the fundamentals of black and white darkroom photography. Prerequisites: ART 1145, ART 2201 or ART 2210

ART 1134 Honors Visual Arts (2)
Visual arts and their relationship to human needs and aspirations. Presentation of aesthetic, cultural and social issues related to art and its making. Note: Credit for this course may not be applied toward any program in art

ART 2230 Color and Technology (3)
Introduction to the principles and science of color and color applications in both colorant and digital environments. Prerequisites: ART 1145, ART 2201 or ART 221 45, P

ART 1145 Foundations of Form and Space (3)
Introduction to the principles, elements, and concepts of two-dimensional space.

ART 1150 Foundations of Time and Space (3)
Introduction to the principles, elements, and concepts of three- and four-dimensional space.

ART 2201 Introductory Drawing (3-5)
Introduction to drawing with emphasis on traditional rendering materials and techniques.

ART 2202 &D Studio I (3-5)
Fundamental concepts in printmaking. Basic techniques in producing black and white multiples in relief, intaglio, serigraphy and lithography. Prerequisites: ART 1145, ART 2201

ART 2204 'D Studio I (3-5)
Fundamental concepts in pottery and ceramics. Basic techniques in production and free form ceramics to include introduction to hand-building, wheel throwing, and glazing/firing techniques. Prerequisites: ART 2201

ART 2205 'D Studio II (3-5)
Fundamental concepts in sculpture. Emphasis on traditional subtractive and additive techniques in a variety of media.

ART 2206 &D Studio II (3-5)
Fundamental concepts in painting. Basic techniques in application using transparent and opaque painting media. Prerequisites: ART 2230.

ART 2208 Digital Tools (3)
Students will be introduced to microcomputer literacy, word processing, spreadsheets, database, and web-top and desk top graphic applications. Students will also learn of emerging technological advancements in art and design. The purpose of this course is to provide the students with the necessary skill set that will be used in many of the art and design courses. This is not an advanced computer applications course.

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- ART 3360 Exhibition Techniques (1)
Student will be introduced to a wide array of techniques for exhibiting and presenting their artwork. Emphasis will be placed on the best industry standards of presenting artwork to targeted audiences including but not limited to galleries, museums, artist representatives, collectors, clients, grant sources, and graduate schools. Prerequisites: Must have completed at least 21 credit hours of their major.
- ART 3361 Integrating Art into the Curriculum (3)
Critical and experiential investigation of approaches for integrating visual art into the elementary curriculum. Prerequisite: EDU 3310, PSY 3303.

ART 4499 Thesis Exhibition (3)
Requirement for all graduating art or design majors

cial intervention and referral, and health care administration. Prerequisite: Acceptance into ATEP. Corequisite: AT 3395.

- AT 3396 Evaluation of Athletic Injuries and Illnesses I (3)
Acquaints the entry-level athletic training student with athletic training educational competencies as they relate to acute care of injuries and illnesses to the lower extremity of the human body. Prerequisite: Acceptance into ATEP.
- AT L 396 Evaluation of Athletic Injuries and Illnesses I Lab (1)
Acquaints the entry-level athletic training student with athletic training educational competencies in

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cepts and issues. Prerequisites: BIO 1100/L 100.
Corequisite: BIO 2202.

BIO 2205 Career Opportunities in Medicine and
Allied Health

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Animal and plant populations, food supply, competition, disease, fecundity, distribution, and other environmental factors. Management of endangered species and protected ecosystems are included.
Prerequisites: BIO 222

BIO L 452 Industrial Hygiene Lab (1-3)
Methods and procedures for sampling, analyzing,
and evaluating chemical, biological, and physical

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BIO L 482 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/L 320, 3372/L 372, CHM 3343/L 343. Corequisite: BIO 4482.

BIO 4485 Principles and Methods for the Laboratory Assistant (1-2)

 CHINESE (MANDARIN) COURSES (CHI)

- CHI 1101 Introductory Chinese (Mandarin) I (3)
Introduction to the Chinese (Mandarin) language.
- CHI 1102 Introductory Chinese (Mandarin) II (3)
Introduction to the Chinese (Mandarin) language.
Prerequisite: CHI 1101 or permission of instructor.
- CHI 2201 Intermediate Chinese (Mandarin) I (3)
Progressive development of basic language skills in
Mandarin Chinese. Prerequisite: CHI 1102 or per-
mission of instructor.
- CHI 2202 Intermediate Chinese (Mandarin) II (3)
Progressive development of basic language skills in
Mandarin Chinese. Prerequisite: CHI 2201 or per-
mission of instructor.

 CHEMISTRY COURSES (CHM)

- CHM 1115 Survey of Chemistry (3)
The course will provide an overview of some of the
basic concepts and principles of chemistry. Starting
with the structure of the atom, the course will pro-
ceed on to basic chemical reactions, the formation
of ions, states of matter, chemical equilibrium, and
chemical bonding, and will incorporate examples
from the biological sciences. Corequisite: CHM
L 115.
- CHM L 115 Survey of Chemistry Lab (1 - 2)
The laboratory sessions will provide an overview of
some of the basic concepts and techniques of gen-
eral chemistry experiments. The students will con-
duct experiments that illustrate the concepts and
principles learned in the Survey of Chemistry
course lectures. Corequisite: CHM 1115.
- CHM 1142 General Chemistry I (3)
Emphasis is placed on the periodic table and stoi-
chiometry, including chemical properties, physical
states, and structure. Prerequisite: Pass MTH 1112
with at least a C (or a score of 0, 1, or 5 on the math
placement exam). Corequisite: CHM L 142.
- CHM L 142 General Chemistry I Lab (1 -3)
Experiments dealing with the periodic table, atomic
structure, the gas laws, and stoichiometry. Corequi-
site: CHM 1142.

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- CHM L 381 Physical Chemistry I Lab (1 - 3)
Introduction to methods and techniques used in the physical chemistry laboratory, including experiments in calorimetry, phase equilibria, reaction kinetics, and transport properties. Corequisite: CHM 3381.
- CHM 3382 Physical Chemistry II (3)
A continuation of CHM 3381 with an introduction to surface phenomena, quantum chemistry, and spectroscopy with an emphasis on properties of surfaces, atomic and molecular structure, molecular orbital theory, and photochemistry. Prerequisite: CHM 3381.
- CHM L 382 Physical Chemistry II Lab (1-3)
A continuation of CHM L 381 with an introduction to methods and techniques in computational chemistry and spectroscopy. Corequisite or prerequisite: CHM 3382.
- CHM 4400 Special Topics in Chemistry (3)
A study of topics of special interest, such as advanced physical chemistry, advanced analytical chemistry, advanced organic, group theory, surface chemistry, and colloid chemistry. Prerequisites: CHM 2242, 3343.

tion, and the appraisal of the effects of correctional treatment upon post-correctional behavior.

- CJ 2241 Survey of Law and Criminal Procedure (3)
An examination of the American legal system with emphasis on the analysis and processing of criminal offenses, including an examination of constitutional criminal procedure concerning arrest, pre-trial and trial processes.
- CJ 3302 Criminal Justice Administration (3)
A survey of public administration as it applies to criminal justice organizations. The major dimensions of criminal justice organizations examined include organizational theory, organizational design, leadership and decision making, interpersonal and organizational communication, human resource management, legal aspects of administration, financial management, and organizational change.
- CJ 3310 Psychology for Criminal Justice Officials (3)
Behavior of subjects and police officers in normal and unusual conditions, arrest, interrogation, detention, incarceration, protest, demonstrations, riots, public calamities, reactions of special interest groups, minorities, and specialized tests.
- CJ 3325 Juvenile Justice (3)
Provides a basic overview of the American juvenile justice system, beginning with the development of the juvenile court and addressing the jurisdiction, role, responsibilities, administration, and organization of the juvenile justice system. Also examined are the interfaces between police, schools, and the court, the issues of child abuse, and the operation of treatment programs.
- CJ 3335 Private and Public Security Administration (3)
An introduction to the administration of private security, the analog to the police in the public sector. Issues in private security concerning ethics, law, and policy, as well as administration, are considered.
- CJ 3345 Criminology (3)
An examination of crime, overall approach -M y -

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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

- CLA 3311 Civilization of Greece (3) Additional information is indexed under Independent Study and Research.
Historical and cultural achievements of the Greeks and their legacy to the modern world. Note: May be taken for credit as an elective in the Department of History.
- CLA 3312 Civilization of Rome (3)
Historical and cultural achievements of the Romans and their legacy to the modern world. Note: May be taken for credit as an elective in the Department of History.
- CLA 3330 Classical Epic (3)
Homer's Iliad and Odyssey, Virgil's Aeneid, and the epic tradition.
- CLA 3350 Classical Drama (3)
The ancient theatre and its influence, with selected plays by Greek and Roman playwrights.
- CLA 4400 Selected Topics in Classics (3)
Selected topics in classical studies generally not covered in other courses. May be repeated once for credit.
- CLA 4491 Guided Independent Research (1 to 3 credit hours per course per semester)
Additional information is indexed under Independent Study and Research.
- CLA 4492 Guided Independent Research (1 to 3 credit hours per course per semester)
Additional information is indexed under Independent Study and Research.
- CLA 4493 Guided Independent Study (1 to 3 credit hours per course per semester)
Additional information is indexed under Independent Study and Research.
- CLA 4494 Guided Independent Study (1 to 3 credit hours per course per semester)
Additional information is indexed under Independent Study and Research.

COMMUNICATION COURSE credit

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- COM 3342 Argumentation and Debate (3)
Study and application of the principles of argumentation and debate, including selected aspects of the management of a program of competitive forensics.
- COM 3345 Group discussion and Leadership (3)
Study and application of the principles and practices of group problem solving through the study of the dynamics of discussion and group leadership.
- COM 3360 Communication Research (3)
This course will help students develop critical thinking skills through an introduction to the concepts and principles of scientific research in communication and journalism. Some of the topics included in this class are the basics of identifying problems, hypothesis formation, measurement construction, validation, research designs, analysis techniques and proper interpretation of results.
- COM 3365

CS 2265 Advanced Programming 1 (3)

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(functional programming). Prerequisite: CS 3323 or 3330.

CS 3372 Formal Languages and the Theory of Computation (3)
Formal language theory, including the Chomsky hierarchy, is presented. Emphasis is placed on regular and context free grammars, finite state automata, and translators. Prerequisite: CS 3323 or 3330

- CS 4462 Special Topics in Object-Oriented Programming (3)
This course is a continuation of CS 3361. It presents the conceptual framework for the design of object-oriented systems. Topics include refactoring designs and design patterns, presented through the use of some object-oriented language. Prerequisite: CS 3361.
- DAN 1137 Tap I (1)
Progressive development of beginning to low/intermediate movement concepts, skills, vocabulary, and styles specific to tap dance.

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

DANCE COURSES (DAN)

- DAN 1112 Contemporary Technique I (2)
Designed for the dance major, DAN 1112 is the study of beginning/intermediate contemporary dance, including dynamic alignment, body/mind connection, increased vocabulary and musicality, with emphasis on artistry through the contemporary aesthetic. Prerequisite: Placement.
- DAN 1115 Ballet Technique I (2)
Designed for the dance major, DAN 1115 is the study of beginner/intermediate ballet technique, including safe and efficient alignment and clear articulation of movement vocabulary with emphasis on increased vocabulary and musicality.
- DAN 1130 Social Dance in the 21st Century (1)
A cross-cultural survey of theories and styles of dance, their relationship to societal contexts and other art forms.
- DAN 1132 Beginning-Intermediate Contemporary for Non majors (1)
Refinement of technical skills in contemporary/modern dance at the intermediate level, including intermediate movement capabilities, rhythmic structures, spatial relationships, movement vocabulary with emphasis on aesthetic and expressive qualities that lead to performance.
- 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.

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Progressive development of intermediate to intermediate/high movement concepts, skills, vocabulary, and styles specific to tap dance.

- course will introduce special vocabulary that is used only in partnering which enhances the skills needed to become a complete and secure dancer.
- DAN 3353 Anatomy and Alignment (3)
This course covers aspects of anatomy and kinesiology that directly apply to correct development of dance technique, emphasizing exercises and imagery for floor and center work to correct insufficient muscle patterns and is designed to give dance majors a practical, functional, and theoretical understanding of kinesiology such as identifying bony landmarks, muscles, and joint actions as well as injury prevention.
- DAN 3354 Improvisation (2)
This course introduces students to the art of improvisation. They will examine the elements of and approaches to the improvisational process as they develop their ability to react imaginatively to extemporaneous situations created through dance. This course will focus on spontaneous problem solving through the exploration of movement and will evoke the student's individual creative process while maintaining the sense of ensemble.
- DAN 3355 Commercial Dance I (2)
This course addresses the needs of dancers who aspire to perform in television, music videos, or on stage. Students will receive intermediate technical instruction in a variety of dance forms and styles that will introduce them to the commercial industry. With an emphasis on the artistry of the commercial dance aesthetic, students will develop technical skills, including dynamic alignment and body/mind connection, increased musicality, and movement vocabulary. Special attention will be placed on tricks, jumps, and turns.
- DAN 3356 Commercial Dance II (2)
This course addresses the needs of advanced dancers who aspire to perform in television, music videos, or on stage. Students will receive advanced technical instruction in a variety of dance forms and styles, which will expand on principles established in Commercial Dance I. Prerequisite: Commercial Dance I
- DAN 3360 Musical Theatre Dance II (2)
Further exploration of the genre of musical theatre dance examining storytelling, character, script, score, and mood through movement. This course will focus on late 20th century (1975 forward) and contemporary dance and movement styles related to theatre productions. Prereq: DAN 1135 Ballet I.
- DAN 3380 Travel Study in Dance (3)
Supervised study of dance through travel abroad or within the United States. May be repeated for credit. Prerequisite: Permission of instructor.
- DAN 3388 Dance Practicum I (1)
This course is designed to provide the student individual practical performance experience with Troy University Theatre or area or university dance productions, or choreographic opportunities that involve the students setting performance pieces on area dance companies, teams, studio classes or university theatre productions or teaching experience in area schools and/or studios.
- DAN 3389 Dance Practicum II (2)
A highly individualized practical experience course designed for the student to continue work in choreography, teaching, performance, production, design, or management with the purpose of focusing on career plans. Prereq: DAN 2289
- DAN 4400 Repertory Ensemble (1)
Designed for auditioned members of the TROY Dance Repertory Ensemble. Prereq: Audition or invitation.
- DAN 4410 Dance History I (3)
A survey of dance history from the 16th through the 19th centuries, DAN 4410 examines the evolution of dance forms which have been influenced by both cultural world dance and ballet, focusing on the rise of ballet as a communicative art form. It will explore the theoretical underpinnings of these forms as they have shaped dance today.
- DAN 4411 Dance History II (3)
A survey of the purposes, functions, and manifestations of American and European dance forms from the beginning of the 20th century to the present. Dance History II covers the forerunners and pioneers of modern dance: avante-garde and post-modernists; and the artists of jazz, tap, Broadway, film, and current media, introducing dance students to the innovators, dancers, and choreographers responsible for shaping 20th and 21st century dance.
- DAN 4412 Contemporary Techniq

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Exploring movement and analytical study of the art of making dances at the advanced level. Concentration on the four basic elements of composition—space, shape, time, and energy. By Choreography II, students should be crafting full-length dances.



DAN 4480 Pedagogy (3)

Exploration of teaching methods in dance that can be adapted to diverse populations and to use these methods in classroom teaching situations, offering the student simulated hands-on experience. Through experiential pedagogy, students will gain a deeper appreciation for the instructor and develop a more

awareness and expressiveness as well as building

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theatre content area. Project proposals must be submitted prior to the semester in which they will be developed. Final grade will be determined by speech and theatre faculty.

DRA 4456 Developing an Educational Theatre Program (2)
Administration aspects of an educational theatre program (P-12) including scheduling, recruitment

construction of social knowledge. Prerequisite: admission to TEP

- ECE 3340 Portrait of a Learner: Language Acquisition (3)
The purpose of this course is to assist students as they investigate and construct an operational knowledge of young children's language and literacy acquisition. This course includes extensive laboratory experiences where students interact with diverse learners through observation and participation in the application of appropriate language and literacy experiences including technology. Prerequisite: admission to TEP
- ECE 3350 Portrait of a Learner: Symbolic Function (3)
The purpose of this course is to assist students as they investigate and construct operational knowledge of young children's symbolic thought and representation through play, art, music, movement and drama. This course includes extensive laboratory experiences where students interact with diverse learners through observation and participation in the application of appropriate expressive arts experiences including technology and the investigation of children's representation of their knowledge. Prerequisite: admission to TEP
- ECE 4401 The Integrated Program (3)
This course is designed as a culminating course for Early Childhood Education students to examine the integrated nature of the ECE program. This course includes extensive laboratory experiences where students interact with diverse learners as they plan, implement, and evaluate integrated curriculum, including technology, and the total ECE program. Prerequisite: admission to TEP and completion of a minimum of 15 hours in the teaching field
- ECE 4454 Internship Seminar for Early Childhood Education (3)
This course provides seniors an opportunity during internship to examine broad educational issues and concerns, topics on the state and local levels and those of personal interest. The scope of the course ranges from juvenile law, classroom management professionalism, professional development for teachers and other course topics. Prerequisite: admission to TEP; Corequisite: ECE Internship
- ECE 4465 Early Childhood Education Internship (1 to 4 credit hours)
Experiences in internship, i.e., observation, participating and teaching with supervision. Twenty-five

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nals and devices used are interpreted accurately and effectively across the interpreted boundary from the source message to the target message.

EDU 4469 Interpreting Mentorship III: Sign Language/
English Interpreting Practicum (3)
Supervised mentoring experience with intensive application of mentoring skills. Emphasizes practical application of mentoring through ongoing assessment of interpreting and interpreting settings; provides hands-on opportunities to assess, provide feedback, and receive feedback about both interpreting and mentoring skills. Prerequisites for ITP majors: Only by permission of ITP Academic Advisor

EDU 4470 Interpreting Mentorship IV: Sign Language/
English Interpreting Internship (3)
Implements a supervised mentoring project designed in Mentorship II: Interpreting. Applies knowledge and skills acquired and integrates them with real-world experiences in mentoring. Projects are implemented in collaboration with students' home or sponsoring region to provide mentoring in that area.

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EDU 4471 Curriculum and Instructional Delivery (3)
This course offers a survey of school curricula, organizational patterns for school systems and

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| | 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 | <p>Internship Seminar for Elementary Education (3)</p> <p>This course provides seniors an opportunity during internship to examine broad educational issues and concerns, topics on the state and local levels and those of personal interest. The scope of the course ranges from juvenile law, classroom management professionalism, professional development for teachers and other course topics. Prerequisite: admission to TEP. Corequisite: ELE Internship</p> | | |
| ELE 4474 | <p>Internship in Elementary Education (9)</p> <p>The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. Prerequisite: admission to TEP. Corequisite: ELE 4454</p> | | |
| ELE 4491-92 | <p>Guided Independent Research (1 to 1 credit hours)</p> <p>X Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. Prerequisites: junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. A written request is to be submitted to the department chair at least two weeks in advance of the term in which study is to be undertaken. May not be used to repeat a course for which a grade of D or below has been earned. Application forms are available in the Office of University Records. Guided independent research may be taken only in the applicant's major or minor field. Also see index for "Independent Study and Research."</p> | | |
| ELE 4493-94 | <p>Guided Independent Study (1 to 1 credit hours)</p> <p>Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills. Prerequisites: junior or senior status, permission of guiding professor, approval of department chair and the dean. A written request is to be submitted to the department chair at least two weeks in advance of the term in which study is to be undertaken. May not be used to repeat a course for which a grade of D or below has been earned. Also see index for "Independent Study and Research."</p> | | |

ENGLISH COURSES (ENG)

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| ENG 0096 | <p>Fundamentals of Grammar and Sentence Writing (3)</p> <p>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.</p> | ENG 1100 | <p>Preparatory English (3)</p> <p>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.</p> |
| | | ENG 1101 | <p>Composition and Modern English I (3)</p> <p>Intensive instruction in the writing process. Focuses on organization of ideas in well-developed expository and argumentative essays (usually six to eight essays), with stress on grammar, punctuation, and vocabulary development. A grade of C or better is required for credit. Must be completed within first 30 hours of enrollment. Prerequisite: Placement</p> |

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narrative, autobiography, lyric in prose, and New Journalism. Prerequisite: six semester hours of 2000

- Literature (3)
Study of Romantic and/or Victorian literatures.
Prerequisite: six semester hours of 2000 level English courses
- ENG 4414 British Novel Before 1900 (3)
Representative novels by British writers of the 18th and 19th centuries. Prerequisite: six semester hours of 2000
- ENG 4415 American Renaissance (3)
Selections from the major writers of the American literary renaissance, including such writers as Emerson, Thoreau, Hawthorne, Melville, Whitman, and Dickinson. Prerequisite: six semester hours of 2000
- ENG 4416 Nineteenth-Century American Novel (3)
Study of representative American novels of the 19th century. Prerequisite: six semester hours of 2000
- ENG 4417 Modern Short Story (3)
Examination of 20th and 21st century short stories. List of stories may vary with each offering. Prerequisite: six semester hours of 2000
- ENG 4418 British Culture on Location (3)
An intensive presentation of British culture on-site in London, Oxford, and other important British locations.
- ENG 4419 Advanced Writing (3)
Provides students the opportunity to write, review, and evaluate texts relevant to the professions they plan to enter and to apply rhetorical analysis to specific writing situations. Prerequisite: six semester hours of 2000
- ENG 4420 Selected Topics in Creative Writing (3)
Study of a topic of special interest and importance not covered in regularly offered courses in creative writing. Prerequisites: Six semester hours of 2200
- ENG 4421 English Novel (3)
Selected 18th, 19th, and 20th century novels written in English. Prerequisite: six semester hours of 2000
- ENG 4425 Modern Novel (3)
Study of representative novels written in English in the 20th and 21st centuries. Prerequisites: six semester hours of 2000
- ENG 4426 Modern Poetry (3)
Study of 20th- and 21st-century poetry. Prerequisite: six semester hours of 2000
- ENG 4427 Contemporary American Literature (3)
Examination of representative American literature from the postmodern period (1960-present), with special emphasis on the diversity of themes, styles, and cultural contexts influencing the literary marketplace. Course readings may vary with each offering. Prerequisite: six semester hours of 2000
- ENG 4428 The Age of Johnson (3)
A study of the works of Samuel Johnson and of his most important contemporaries, from about 1745 to 1798. Prerequisite: six semester hours of 2000
- ENG 4430 Shakespeare I: The Tragedies (3)
Study of major and minor tragedies, with some attention to non-dramatic poetry. List of plays may vary with each offering. Prerequisite: six semester hours of 2000
- ENG 4431 Shakespeare II: The Comedies (3)
Study of comedies and romances. List of plays may vary with each offering. Prerequisite: six semester hours of 2000
- ENG 4432 Shakespeare III: The Histories (3)
Study of history plays, especially those concerning Wars of the Roses. List of plays may vary with each offering. Prerequisite: six semester hours of 2000
- ENG 4433 ~~BA~~ Literary Criticism (3)
Study of the major literary critics and their works from classical times to the present. Prerequisite: six semester hours of 2000
- ENG 4434 Romantic Period in English Literature (3)
Romantic prose and poetry with emphasis on the writings of Blake, Coleridge, Wordsworth, Byron, Keats, and Shelley. Prerequisite: six semester hours of 2000
- 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

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ENG 4452 Medieval and Renaissance English Drama (3)
Survey of drama from the middle ages and Renaissance, excluding Shakespeare. Begins with brief study of folk and liturgical origins of drama, includes a few medieval mystery and morality plays, and features Renaissance plays by Heywood, Udall, Kyd, Marlowe, Beaumont, Fletcher, Jonson, and Webster. Prerequisite: six semester hours of 2000

ENG 4453 English Drama through the 18th Century (3)
English drama (em ce English Drama (3 E (3)

graduate with English honors. Prerequisite: junior or senior level, grade point average no less than 3.2 in English studies and completion of the English honors application procedure. Consult the department chair for additional information.

ENGLISH ASA SECOND LANGUAGE (ESL)



- ESL 1100 Preparatory English **1RQQDWLYH 6SHDNHUV RI (QJOE, Wk)** (with petition)
 Instruction for nonnative speakers of English preparing for ENG 1101. Focus on application of rules of standard English grammar and U.S. composition patterns. Involves application of appropriate computer software and a variety of written activities. Students who do not pass the written text are placed in this course. Students write five to seven in-class compositions and may be required to attend weekly session at the ESL Tutoring Center and ESL Computer Lab. Classes meet four days per week. Note: This course will not substitute for any general studies requirement and will not be used in meeting minimum degree requirements.
- ESL %\$& Listening/Speaking VI **\$GYDQFHG**
 Academic focus: listening strategies for academic lectures, such as anticipating and organizing information; understanding connecting words and pronoun referents; recognizing analogy, quotations, and paraphrasing. Skill-building exercises include listening for main ideas, making inferences, listening for specific information, summarizing, and recognizing vocabulary in context. Speaking focuses on delivering oral presentations, engaging in academic discourse. Computer Lab requirement
- ESL %\$(Reading VI **\$GYDQFHG**
 Helps the students be ready for academic reading. Vocabulary building through brainstorming, vocabulary lists, and close exercises that help learners guess the meaning from context and see regularity in the language. Introduces students to

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GEM L 371

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An analysis of the major physical and cultural aspects of Middle and South America.



- GEO 3326 Geography of the Russian Realm (3)
An analysis of the physical and cultural aspects of Russia and the other former republics of the Soviet Union. Prerequisite: Six hours of social science.
- GEO 3331 Geography of the Middle East and North Africa (3)
Physical setting, resource distribution, economy, population characteristics, and geopolitical importance of the region.
- GEO 3350 Weather and Climate (3)
A study of the physical properties of weather and climate. Prerequisite: 12 hours of science or social science.
- GEO 3370 GIS/Spatial Data Applications in the Social Sciences (3)
An introduction to the use of spatial data applications in the social sciences, including archaeological site mapping and spatial analysis of cultural, demographic, and sociological data.
- GEO 4402 Political Geography (3)
Analysis of the reciprocal effects of geography and political organization on the behavior of states including boundaries and frontiers, national resources, spatial strategy, and maritime power.
- GEO 4403 Conservation (3)
The conservation of natural and human resources with emphasis on population expansion as the major element in changing ecology.
- GEO 4404 GIS/Spatial Data Applications in Economics (3)
An introduction to the use of spatial data applications in the fields of business and economic development, including site selection and analysis of customer characteristics.
- GEO 4406 Urbanism (3)
Historical, physical, economic, and societal evolution of the urban area. American metropolitan problems and implications for policy and planning.
Note: One field trip required at student's expense.
This course may be taken for sociology credit.
- GEO 4408 Rural America

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HIS 3304 Military History of the United States (3)
A study of war in United States history from the Colonial period to the present, with emphasis on the role of warfare in United States history and the relationship of the military to the civilian. Prerequisite: HIS 1111 and 1112 or permission of instructor

HIS 3316

1848 through the collapse of the Soviet bloc and beyond. The course analyzes the impact of the disintegration of Russian, Ottoman, and Habsburg empires on the inter-war Eastern Europe; examines the establishment, development, and eventual collapse of communism in the region; and explores the dynamics of post-Cold War European integration. Prerequisites: HIS 1101 and HIS 1102 or HIS

HIS 4405 Old South (3)
An examination of the cultural, political, religious,

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- HIS 4425 Principles of Public History (3)
Introduces students to the field of public history and addresses the relationship of applied and academic history, the major debates in the discipline, and provides an overview of public history's sub fields and historic traditions.
- HIS 4430 Civil Rights Movement (3)
Study of the origins of the Civil Rights Movement in the late nineteenth and twentieth centuries, beginnings of change in the 1930s and the World War II era, and the movement itself as defined by legal, political, and social conflict and change from the latter 1940s to the present. Prerequisites: HIS 1111 and HIS 1112 or permission of instructor.
- HIS 3315 The Vietnam War (3)
A study of the period 1946 to 1975 in Indochina with emphasis on the American involvement in the region as part of the larger Cold War context. The course draws heavily on the new historiography of the Vietnam War that has emerged following the collapse of the Soviet Union and is based on newly declassified documents from the western world (especially the United States), Vietnam, China, Russia, and the former socialist camp. Prerequisites: HIS 1111 and 1112 or permission of instructor. Note: may be used for political science credit.
- HIS 4433 Modern Russia (3)
The development of the revolutionary movements and tsarist reform attempts, World War I, revolu-



HIS 4463

Age of Reason (3)

Survey of 19th and 20th century political, social, and cultural history of the religion, including the

Education (3)

This course provides seniors an opportunity during internship to examine broad educational issues and concerns, topics on the state and local levels, and those of personal interest. The scope of the course ranges from juvenile law, classroom management professionalism, professional development for teachers and other course topics. Prerequisite: admission to TEP. Corequisite: IED Internship.

- IED 4472 Internship in Grades P-12 (9)
The Professional Internship Program is the culminating clinical field-based experience for students

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- IS 4451 Information Security, Assurance and Compliance (3)
This course introduces information security awareness, governance, assurance, and compliance associated with essential network infrastructure. Emphasis is placed on understanding information systems security policy and technology countermeasures across network infrastructure access points including physical security, authentication, access control, encryption, and system management
Prerequisites: IS 3320
- IS 4460 E-Commerce Design (3)
This course introduces the basic concepts and language of e-commerce. Coverage includes the planning and development of an e-commerce site, including such issues as security, customer service, payment, and marketing. The course is designed to teach students to explore and evaluate e-commerce

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| | including print, video and online communications. Emphasis is placed on use of background research and multiple sources and writing on deadline. Prerequisite: JRN 2201. Must make a C or better in JRN 3315 to receive credit toward degree. | JRN 4401 | Communication Media Management (3) Discussion of special problems and management techniques of print, broadcast, cable, online media, public relations and communication organizations. |
| JRN 3326 | Advising Student Publications (1-2) Students successfully completing this class will have the ability to teach journalism, including how to produce magazine and newspaper layout; develop copy and/or storyboard for radio and television production; apply techniques of advertising, reporting and editing; and use current and emerging technology in the production of print and non-print journalism. | JRN 4403 | Radio News Practicum (3-6) Supervised experience in gathering, writing and performing radio news broadcasts. Prerequisite or Corequisite: JRN 2203. |
| JRN 3327 | Sports Broadcasting (1-2) Advanced methods, techniques and performance styles for broadcast sports news and information. Prerequisite: JRN 2201. | JRN 4405 | Radio Production Practicum (3-6) Supervised experience in radio studio work. Includes audio techniques for both public affairs and musical productions, tape editing, and use of automated programming. Two hours per day plus a weekly one-hour discussion and evaluation. Prerequisite: JRN 2203. |
| JRN 3330 | Journalism Practicum (1 to 3 credit hours) Supervised journalism-related experiences focusing on gathering information, writing, editing, photography, design, online journalism, electronic journalism, broadcast journalism, advertising and/or public relations. | JRN 4410 | Advanced Radio Practicum (3-6) Emphasis on individualized work in radio news or production. Prerequisite: JRN 4403 or 4405 |
| JRN 3360 | Broadcast News Writing (3) Gathering, evaluating, writing and performing broadcast copy. Applies news gathering techniques to the broadcast writing style, on-the-scene coverage, interviewing and announcing. Must make a C or better. Prerequisite: JRN 2201. | JRN 4413 | Television News Practicum (3-6) Supervised experience in gathering, writing and performing for a daily television news broadcast. Prerequisite or corequisite: JRN 2203 |
| JRN 3365 | TV Studio Techniques and Producing (3) An introduction to the production elements, theories and procedures of producing news broadcasts for television. Lighting, set design, preparation, operation of equipment, graphics, editing, responsibilities of those members involved in the production, electronic news gathering (ENG), operation of remote equipment and interviewing are topics discussed in this class. | JRN 4415 | Television Production Practicum (3-6) Supervised experience in technical television work. Includes in-studio and remote camera operation, lighting, video tape editing and directing. Two hours per day plus a weekly one-hour discussion and evaluation. Prerequisite: junior standing or above |
| JRN 3375 | Public Relations Writing (3) This course focuses on developing the professional writing skills required for public relations practitioners, AP style and how to write effectively for clients, the media and for online publications. | | |
| JRN 3380 | Global Journalism and International Media Systems (3) An examination of international and domestic mass media systems, the flow of information and technology, and issues of media ownership, access, regulations, programming and cultural differences in international communications. | | |
| JRN 4400 | Special Topics in Journalism (1 to 3 credit hours) Lecture, discussion, and research course designed to acquaint students with special topics in the fields of broadcast and print journalism. May be taken for a maximum of six hours. | | |

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| | (3) This course provides students with an understanding of the development of the most notable, historical, social scientific and empirically grounded theoretical perspectives with regard to mass communication. In addition, analysis and interpretation of these theories will be addressed. | K HP 1104 | Golf (1) Physical education activity course. |
| | | K HP 1107 | Swimming (1) Physical education activity course. |
| JRN 4440 | Advanced Technologies in Journalism (3) An introduction to using advanced technologies and on-line reporting techniques in journalism and public relations. | K HP 1108 | Tennis (1) Physical education activity course. |
| | | K HP 1109 | Intermediate Swimming (1) Physical education activity course. |
| JRN 4450 | Electronic Publishing (3) This is a hands-on mastery course in using words, images, video, sound and social media to communicate in an interactive and online environment | K HP 1110 | Paddle Tennis (1) Physical education activity course. |
| | | K HP 1111 | Archery (1) Physical education activity course. |
| JRN 4489 | Internship (5) Full-time work experience as a regular staff member in a communication related position (for example, a print publication, electronic media, advertising office, public relations firm, etc.) Students will work under the supervision of an on-the-job supervisor and report to a Troy University faculty adviser who will monitor the work experience. Students will also prepare written and oral reports. Prerequisites: Approval of the academic adviser and department chair, a minimum of 75 hours of course work, completion of a Permission to Register for an Internship Form, and successful completion of an internship workshop prior to registering for the internship. | K HP 1112 | Advanced Swimming (1) Physical education activity course. |
| | | K HP 1122 | Water Aerobics (1) Physical education activity course. |
| | | K HP 1123 | Synchronized Swimming (1) Physical education activity course. |
| | | K HP 1124 | Beginning Yoga (1) Course will introduce students to yoga as a different type of exercise. Students will explore the opportunity for yoga to become a lifetime activity in order to promote health and wellness in their daily routines. |
| JRN 4490 | Field Experience (1-7) Supervised study in the practical application of issues related to journalism and communication. Prerequisites: Approval of the director of the School of Journalism and Communication. | K HP 1133 | Square Dance (1) Physical education activity course. |
| JRN 4491-92 | Guided Independent Research (1 to 3 credit hours per course per semester) Additional information is indexed under Independent Study and Research. | K HP 1134 | Ballroom Dance (1) An introduction to social dancing with an emphasis on American ballroom dances (fox trot, waltz, swing) and Latin ballroom dances (cha cha, mambo, tango). Equivalent to DAN 1134. |
| JRN 4493-94 | Guided Independent Study (1 to 3 credit hours per course per semester) Additional information is indexed under Independent Study and Research. | K HP 1138 | Clog Dance I (1) Physical education activity course. |
| JRN 4495 | Communication Seminar (1) Study of issues related to communication theory, the history and future of communication industries, the impact of online communication and ethics. Additionally, students will design and execute a major field-related research project and create a professional portfolio. | K HP 1139 | Fitness for Life I (1) Physical education activity course. |
| | | K HP 1141 | Jogging (1) Physical education activity course. |
| | | K HP 1142 | Weight Training (1) Physical education activity course. |
| | | K HP 1144 | Step Aerobics (1) Physical education activity course. |
| <hr/> KINESOLOGY AND HEALTH PROMOTION COURSES (K HP) <hr/> | | | |
| K HP 1101 | Badminton (1) Physical education activity course. | | |

K HP 3392 Water Safety Instructor for the Handicapped
(I)
Organization and methods of teaching swimming to
adapted students. Prerequisite: A current, valid
WSI Certificate (Swimming Instructor Certificate).

K HP 3395

- K OR 1102 Introductory Korean II (3)
Introduction to the Korean Language. Prerequisite:
K OR 1101 or permission of instructor.
- K OR 2201 Intermediate Korean I (3)
Progressive development of basic language skills in
Korean. Prerequisite: K OR 1102 or permission of
instructor.
- K OR 2202 Intermediate Korean II (3)
Progressive development of basic language skills in
Korean. Prerequisite: K OR 2201 or permission of
instructor.

LATIN COURSES (LAT)



MB 4404

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- MGT 4472 Organizational Behavior (3)
A study of individual and group behavior in business organizations. Prerequisite: Lower
- MGT 4473 Labor Law and Collective Bargaining (3)
A study of court decisions, national labor, adminis-

- MGT 4496 Selected Topics in HR (3)
An in-depth study of a broad range of human resource management topics. Individual investigations and reporting are emphasized in seminar fashion. Focus on a topic of a timely nature and/or special interest. Prerequisite: Lower

MARKETING COURSES (MKT)

- MKT 3300 Principles of Marketing (3)
A managerial focus on the external environments and decision elements of marketing (promotion, price, product, distribution) faced by marketing management at the corporate and entrepreneurial levels of business
- MKT 3362 Advertising (3)
This course addresses the planning, creation, utilization, and placement of advertising programs, media use, and research to support marketing strategy. It is an integrated approach, to include traditional advertising processes, direct communications with business/consumer markets, and contemporary forms of social media.
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- MKT 3364 Services Marketing (3)
Understand the nature of services marketing and its critical contribution to marketing success. Topics include customer expectations and perceptions in the design of service processes and standards.
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- MKT 4461 Personal Selling (3)
This is an applied course that introduces the economic, psychological, and social aspects of personal selling, direct selling techniques, and the sales process with emphasis on building customer relationships. Prerequisite: MKT 3300.
- MKT 4462 Consumer Behavior (3)
A study of the consumer as a decision maker. The course examines social, cultural, and psychological influences on purchasing decisions while emphasizing their implications for marketing strategies.
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- MKT 4463 Retailing (3)
Principles and practices of retail management. The course examines retail store location, purchasing, personnel, promotions, inventory management, and Internet marketing. Prerequisite: MKT 3300.
- MKT 4464 Marketing Research (3)
Methods and procedures for collection, interpretation, and use of primary and secondary data in marketing including sampling, question. and n r— en



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| MSL 1105 | <p>Military Basic Leadership Lab I-B (1) Leadership lab is required for Army ROTC students. The student will receive training in drill and ceremonies, field craft, individual movement techniques, squad tactics, map reading and land navigation, first aid, and use and maintenance of the M16 Rifle.</p> | MSL 3304 | <p>Military Basic Leadership Lab III-A (1) Leadership Lab is required for all Army ROTC students. The student will receive training in troop-leading procedures, mission planning, squad tactics, land navigation, individual movement techniques, water survival and rappelling.</p> |
| MSL 2201 | <p>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</p> | MSL 3305 | <p>Military Basic Leadership Lab III-B(1) Leadership Lab is required for all Army ROTC students. The student will receive training in troop-leading procedures, mission planning, squad tactics, land navigation, individual movement techniques, water survival and rappelling.</p> |
| MSL 2202 | <p>Leadership and Teamwork (2) This course focuses on self-development guided by knowledge of self and group processes by focusing on challenging current beliefs, knowledge and skills. Corequisite: MS 2205.</p> | MSL 4401 | <p>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.</p> |
| MSL 2204 | <p>Military Basic Leadership Lab II-A (1) Leadership lab is required for Army ROTC students. The students will receive training in drill, physical training, rappelling, water survival, tactics, marksmanship, night operations, and land navigation.</p> | MSL 4402 | <p>Officership (3) This course is designed to explore topics relevant to Second Lieutenant</p> |
| MSL 2205 | <p>Military Basic Leadership Lab II-B (1) Leadership lab is required for Army ROTC students. The students will receive training in drill, physical training, rappelling, water survival, tactics, marksmanship, night operations, and land navigation.</p> | | |
| MSL 3301 | <p>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.</p> | | |
| MSL 3302 | <p>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.</p> | | |

- 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 (1)

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- MTH 1115 Pre-Calculus Algebra and Trigonometry (4)
The course covers the algebra of functions, systems of equations and inequalities, quadratic inequalities, and the conic sections. It also includes the study of trigonometric and inverse trigonometric functions, trigonometric equations, vectors, complex numbers, polar coordinates, and DeMoivre's Theorem. Prerequisite: MTH 1105 with a grade of C or better, appropriate score on the mathematics placement test, or advanced placement. Note: Credit will not count toward a major or minor in mathematics.
- MTH 1125 Calculus I (4)
Topics include limits of functions, derivatives of algebraic, trigonometric, exponential and logarithmic functions and their inverses and the definite integral and its application to area problems. Applications of the derivative are covered in detail including approximations of error using differentials, maximum and minimum problems, and curve sketching using calculus.
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- MTH 1126 Calculus II (4)
Topics include vectors in the plane and in space, lines and planes in space, applications of integration (such as volume, arc length, work, and average value), techniques of integration, indeterminate forms, infinite series, polar coordinates, and parametric equations.
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- MTH 2201 Business Calculus (3)
An introduction to the basic ideas and techniques of

- 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, 3318
- MTH 4420 Introduction to Algorithmic Graph Theory (3)
The elements of the theory and algorithms of graphs and hypergraphs with motivating examples from computer science, networking, scheduling, biology, etc.: algorithms, complexity, data structures, shortest paths, spanning trees, depth-first search, planar graphs, coloring of graphs and hypergraphs. Prerequisites: MTH 3331, computer programming course, or permission of instructor
- MTH 4422 Numerical Analysis (3)
Topics include finite differences, interpolation, numerical integration and differentiation, solutions of equations of one variable, linear systems, and numerical solutions of ordinary differential equations. Prerequisites: MTH 2220, 2227 and 3331, or permission of instructor
- MTH 4424 Real Analysis I (3)
The real number system, completeness, limits, continuity, sequences, differentiation, and the Riemann integral. Prerequisites: MTH 2227 and 3318

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hours)

Additional information is indexed under Independent Study and Research.

MTH 4493-- (Guided Independent Study (1 to 1 credit hours)

Additional information is indexed under Independent Study and Research.

MUSIC INDUSTRY COURSES (MUI)

MUI 3305 Music Technologies (1 credit)
Study of the applications of the microcomputer to music teaching and to the management, planning, and record-keeping tasks of the music educator. Prerequisite: MUS 2230.

MUI 3310 Audio Principles and Techniques (3)
A basic course to develop the understanding and skills to make audio recordings. Listening skills will be emphasized along with editing and recording assignments. Prerequisite: MUS 3305.

MUI 3315 Song Writing (2)
Study of basic skills and techniques of songwriting including melodic construction, harmonic progression, and lyric writing and revisions.

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MUI 3320 Grant Writing/Funding for the Musical Arts (2)
Identifying funding sources and creating effective grant proposals for music production and related activities.

MUI 3325 Recording Studio I (2)
An examination of the art of studio recording. The mixing console, microphones, sound effects, and digital and analog recording devices will be studied.

MUI 3326 Recording Studio II (2)
In-depth study of audio recording. Remote and studio recording techniques, sound reinforcement and post production will be covered. Students will prepare a recording project portfolio.

MUI 3330 Selling Music (2)
Exploration of the music sales process and development of a sales plan. Ways of growing the customer base, promoting the product, dealing with competition, and adapting to e-commerce are examined.

MUI 3335 Retailing (2)
Introduction to basic principles of music retailing, contemporary issues as well as the history of corporate changes in the music industry, will be discussed.

MUI 4410 Arts Management/Concert Production (2)
Study of the arts organization and the performing artist within a social and governmental context. Prerequisites: MUS 2230, 3305.

MUI 4420 Film Scoring (2)
Examination of the process and preparation of digital music for film, digital video and animation. Prerequisite: MUI 3310.

MUI 4430 Marketing of Recorded Music (2)
Examination of the process of studio production, manufacturing, promotion and distribution of contemporary recordings. Record release programs for independent and major label-controlled products are analyzed. Prerequisites: MUS 2230, 3305.

MUI 4435 Music Merchandising (2)
Examination of the production, marketing, merchandising and distribution of musical products in the current music marketplace. Prerequisites: MUS 2230, 3305.

MUI 4440 Audio Principles and Techniques II (3)
This course is an in-depth examination of audio recording. The curriculum will cover remote and studio recording techniques. The related areas of sound reinforcement and post-production will be covered at length. Students will apply advanced microphone techniques, utilize digital editing and plug-ins, and prepare a recording project portfolio. Prerequisite: MUI 3310.

MUI 4460 Senior Practicum (3)
Culminating project and presentation in student's area of interest.



MUS 1102 Music Theory I (4

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| <p>MUS 2207 Aural Skills III (1-2) Advanced sight singing and rhythmic reading. Contrapuntal dictation and transcription projects. Continuation of improvisation techniques. ■/</p> | | <p>teachers. This course also includes a review of vocal/choral pedagogical literature. ■/</p> |
| <p>MUS 2230 Survey of Music Industry (3) An introduction to practices and inter-relationships of the music industry, such as retail, recording, distribution, legal aspects, publishing media and employment.</p> | <p>MUS 3346 Educational Assessment in Fine Arts (1-2) This course provides a broad foundation in all aspects of assessment as it is applied to the P-12 music and art classroom, from learning theory to practical application of assessment techniques, data management, critical thinking, progress reporting and portfolio building. Assessment task design in the artistic response modes is covered, and a series of assessments that can be implemented in the music/art classroom are developed. Prerequisite: admission to TEP.</p> | |
| <p>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.</p> | <p>MUS 3350 Wind and Percussion Methods (1) Students will demonstrate theoretical, pedagogical and performance knowledge of/on selected wind/percussion instruments and awareness of instrument materials and rehearsal techniques, and will review the role of the instrumental music educator in music education.</p> | |
| <p>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.</p> | <p>MUS 3351 Class Brass (1-2) Group instruction in techniques of playing and teaching brass instruments.</p> | |
| <p>MUS 3300 History of Jazz (& History of jazz and pop styles from 1900 to the present. Analysis of harmonic principles and common practices of each major period.</p> | <p>MUS 3352 Class Woodwinds (1-2) Introduction to each of the principal woodwind instruments, emphasizing teaching techniques suitable for band classes.</p> | |
| <p>MUS 3305 Music Technologies (1-2) Study of the applications of the microcomputer to music teaching and to the management, planning, and record-keeping tasks of the music educator.</p> | <p>MUS 3353 Class Percussion (1-2) Group instruction in playing and teaching the principal pitched and non-pitched percussion instruments.</p> | |
| <p>MUS 3306 Conducting (1-2) Basic conducting techniques for instrumental and choral groups. Includes score study, rehearsal techniques and interpretation of various styles. ■/</p> | <p>MUS 3354 Class Strings (1-2) Group instruction in techniques of playing and teaching stringed instruments.</p> | |
| <p>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.</p> | <p>MUS 3356 Class Voice (1-2) Introduction to vocal techniques and repertoire.</p> | |
| <p>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. ■/</p> | | |
| <p>MUS 3340 Diction for Singers (1) Focuses on student understanding and application of singing of the English, Italian, Latin, German and French languages through use of the International Phonetic Alphabet and appropriate art song repertoire. Prerequisites: ENG 1102, MUS 2216.</p> | | |
| <p>MUS 3341 Vocal Pedagogy (1) A study of vocal teaching methods with an emphasis on application for private voice and choral</p> | | |

lifespan. Focus is placed on basic nutrition concepts as they relate to body systems, medical nutrition therapies, drug interactions, food safety, and nutrition assessment.

NSG 2255 Maternal-Infant Nursing (4) Focuses on the nursing process and evidence-based practice as a basis for assisting the family during childbearing experiences. Applies theoretical knowledge from nursing, scientific, environmental and humanistic disciplines. Corequisite: NSG 2256.

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NSG 2256 Maternal-Infant Nursing Practicum (2-4) Focuses on the role of the professional nurse in

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NSG 1105 Medical Terminology (1)
Develops the use of Latin and Greek prefixes, root

- NSG 3306 Perspectives of Professional Nursing (2)
Explores the roles of the baccalaureate degree nurse. Presents the principles, standards, and values implicit in the profession of nursing. Introduces the theories used in the definition of concepts of humanity, environment, health, and nursing. Introduces the development of key elements used in professional nursing practice: caring, evidence-based clinical decisions, communication, collaboration, cultural humility, ethical competence, research, and information technology. Explores the influence of internal and external dimensions on professional nursing practice. Prerequisite: admission to the BSN Program
- NSG 3309 Health Assessment (2)
Focuses on the assessment phase of the nursing process as a means of collecting data for use in making clinical decisions for the promotion of safe, quality care. Emphasizes acquisition of knowledge

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- tions, communication, and collaboration for promotion of optimal health states in adults. Prerequisites: NSG 3300, 3306, 3309/3310, 3313/3314, 3315. Prerequisite or corequisite: NSG 3301. Corequisite: NSG 3326.
- NSG 3326 Adult Health Nursing I Practicum (3-6)
Provides clinical learning opportunities for students to refine basic clinical skills and provide nursing care of adults with health alterations. Emphasizes clinical reasoning in the application of the nursing process in facilitating human adaptive responses to health alterations in the adult. Validates competencies related to medication and intravenous therapy administration. Prerequisites: NSG 3300, 3306, 3309/3310, 3313/3314, 3315. Prerequisite or corequisite: NSG 3301. Corequisite: NSG 3325
- NSG 3334 Psychiatric-Mental Health Nursing (3)
Explores mental health alterations of all ages in response to internal and external environmental dimensions. Examines selected theories of mental health and illness for interrelationships among physical, psychosocial, cultural, and spiritual components. Emphasizes evidence-based clinical decision-making in the utilization of therapeutic nursing interventions, communication and collaboration for the promotion of optimal states of mental health. Prerequisites: NSG 3300, 3306, 3309/3310, 3313/3314, 3315. Corequisite: NSG 3335.
- NSG 3335 Psychiatric-Mental Health Nursing Practicum (2-4)
Provides clinical learning opportunities for students to provide illness and restorative care for individuals experiencing alterations in mental health states. Emphasizes evidence-based clinical reasoning in the application of the nursing process in facilitating human adaptive responses to mental health alterations. Prerequisites: NSG 3300, 3306, 3309/3310, 3313/3314, 3315. Corequisite: NSG 3334.
- NSG 3336 Adult Health Nursing II (3)
Continues to explore health alterations for adults in response to internal and external environmental dimensions, focusing on cardiovascular, respiratory, nervous, sensory, renal, reproductive, and multi-system trauma and shock. Examines selected theories and interrelationships among physical, psychosocial, cultural, and spiritual components. Emphasizes evidence-based clinical decisions in a caring environment for the utilization of therapeutic interventions, communication, and collaboration for promotion of optimal health states in adults. Prerequisites: NSG 3301, 3325/3326, 3334/3335. Corequisite: NSG 3337.
- NSG 3337 Adult Health Nursing II Practicum (2-4)
Provides clinical learning opportunities for students to further refine clinical skills and provide nursing care for adults with alterations in health states. Emphasizes clinical reasoning in the application of the nursing process in facilitating human adaptive responses to health alterations in the adult in the provision of safe, quality nursing care. Prerequisites: NSG 3301, 3325/3326, 3334/3335.
- NSG 3340 Ethics in Nursing (3)
A discussion of traditional ethical theories, principles and meta-ethical concerns will provide the necessary background required to explore a variety of controversial issues such as euthanasia, abortion, and the new reproductive technologies. Objective and critical reflection about the issues will be de-



- NSG 4406 Public Health Nursing Practicum (2-4)
Provides clinical learning opportunities for students to engage in public health nursing practice. Explores use of advocacy and application of environmental, global, cultural, political, and financial dimensions of public health nursing practice in health promotion and clinical prevention for individuals, families, communities and populations. Emphasizes clinical reasoning in the application of the nursing process for promotion of optimal public health. Prerequisites: NSG 4403/4404, 4413/4414, 4419 or admission to the RN

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NSG 4493-94 Guided Independent Study (1 to 4 credit hours)
Additional information is indexed under Academic
Regulations.

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PHY 4480 Introduction to Black Holes & Cosmology (3)
Students will develop an understanding of the basic principles of modern cosmology and the various astrophysical objects in our universe.

☒ PHY 44478

PHY 4482 String Theory (3)

In this course, we will introduce methods for discussing extended objects and the relevant equations of motion. We will then turn to quantizing these objects using lightcone quantization techniques, finally finding the spectrum of particles given by string theory.

☒ , PHY 4446 , PHY 4460 (or permission of instructor).

PHY 4491-98 Guided Independent Research (1 to (credit hours)

A physics research project under the direction of a faculty member. The project must culminate in a written report with the results reported at a department seminar. Prerequisite: Senior standing or permission of department chair. Also see index for "Independent Study and Research."

professionals in fields of counseling, education, rehabilitation, and psychology. Provides study of key concepts of classical and operant conditioning, as well as discussion and application of specific strategies building on conditioning principles. Prerequisite: six semester hours of psychology.

PSY 4460

READING/LITERACY COURSES (RED)

- RED 0098 Reading I (3)
 A course for those students who are deficient in basic reading skills such as word recognition, comprehension and study skills. A placement test will be required. Note: May not be audited. Institutional credit only.
- RED 3380 Children's Literature (3)
 The purpose of this course is to assist undergraduate students as they investigate and construct an understanding of and techniques to incorporate children's literature across the curriculum. Pertinent topics include award-winning authors and titles found in children's literature among a variety of genre, along with developmentally appropriate instructional techniques. Prerequisite: admission to TEP.
- RED 4481 Language and Literacy I: Grades P-3 (3)
 Literacy instruction for the P-3 learner with emphasis on child development, learning theories, individual differences, emergent and early literacy, and examination of current materials and instructional practices used in teaching literacy. Prerequisite: admission to TEP
- RED 4482 Language and Literacy II: Grades 4-6 (3)
 Literacy instruction for the learner in grades 4-6 with emphasis on the principles of reading and language acquisition. Prerequisite: admission to TEP

examined. Prerequisites: HS 2230 or permission of instructor.

- RHB 3345 Foundations of Rehabilitation (3)
Review of historical, philosophical, and legislative development of the rehabilitation movement; focuses on current service delivery systems and trends. Prerequisite: HS 2230.
- RHB 3350 Individual Differences and the World of Work (3)
An orientation into the world of work along with the meaning and importance of work to the individual, family and community. Includes job search techniques, methods of doing job surveys and ways of classifying information. Prerequisite: HS 2230 or permission of instructor.
- RHB 3360 Vocational Assessment (3)

 RUSSIAN COURSES (RUS)

- RUS 1101 Introductory Russian I (3)
Introduction to the Russian language.
- RUS 1102 Introductory Russian II (3)
Introduction to the Russian language. Prerequisite:
RUS 1101 or permission of instructor.
- RUS 2201 Intermediate Russian I (3)
Progressive development of basic language skills in
Russian. Prerequisite: RUS 1102 or permission of
instructor.
- RUS 2202 Intermediate Russian II (3)
Progressive development of basic language skills in
Russian. Prerequisite: RUS 2201 or permission of
instructor.

 SCIENCE COURSES (SCI)

- SCI 2233 Physical Science (3)
Basic chemistry and physics for non-science majors.
Corequisite: SCI L 233. Note: Credit does not count
toward a major in any science curriculum.
- SCI L 233 Physical Science L ab (1)
Laboratory experiments in basic chemistry and phys-
ics. Corequisite: SCI 2233.
- SCI 2234 Earth and Space Science (3)
Basic astronomy and geology for non-science ma-
jors. Corequisite: SCI L 234. Note: Credit does not
count toward any major in the sciences.
- SCI L 234 Earth and Space Science L ab (1)
Laboratory experiments in basic astronomy and
geology. Corequisite: SCI 2234.
- SCI 3335 Physical Geology (3)
Constructive and destructive processes which alter
the earth. Corequisite: SCI L 335.
- SCI L 335 Physical Geology L ab (1-2)
Laboratory studies of constructive and destructive
processes which alter the earth.
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- SCI 3336 Principles of Astronomy (3)
Basic facts and theories related to astronomical phe-
nomena. Corequisite: SCI L 336.
- SCI L 336

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

SOC 3300 Social Institutions (3)
 An analysis of several major social institutions, their structural components, processes, and resultant problems. Group interrelations and social change will be emphasized. Prerequisite: SOC 2275.
 SOC 3346 Deviant Behavior (3)
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SOC 3301 Social Change (3)
 An examination of social changes precipitated by the invention, discovery, and diffusion of products and technologies as society moves into the 21st century. Technology-driven changes are explored within topics such as the restructuring of occupations and the workplace, threats to personal privacy, the emergence of virtual culture, the impact of the Internet on the concept of human interaction and ethical issues created by technological advancements.
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SOC 3302 Small Groups (3)
 An analysis of theory and research relating to the structure, functions, and processes of small groups. The course will explore group formation, structure, cohesion, conformity, power, leadership, and communication. Prerequisite: SOC 2275.

SOC 3310 Minorities in U. S. Social Structure (3)
 An analysis of the role of racial and cultural minorities in American society. Examines contributions of anthropology, sociology, and psychology to theories of minority/majority group relations.
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SOC 3323 Juvenile Delinquency (3)
 An examination of social, economic, psychological, and physiological determinants of young people's behavior as it concerns family, community, and social worker. Prerequisite: SOC 2275.

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SOC 3331 Sociology of the Family (3)
 Study of family, its origin, development, and problems affecting marital relations and happiness.
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SOC 3332 Family Violence (3)
 A course to provide students with an in-depth study of the problems of violence in families including spouse abuse, child abuse, elder abuse, and the dynamics and dangers of violent relationships. The study will explore the effects of family violence and the devastating, multi-generational effects of violence on its victims and society. Students will study current societal responses to family violence including protection services, treatment programs, legal defense strategies, and current legislation. Prerequisite: SOC 2275.

SOC 3345 Criminology (3)
 Study of crime and its causes and measurements. Topics include various explanations of criminal behavior, typology of crime, criminal justice system, and social relations to crime.
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SOC 3380 Social Behavior (3)

A survey of social psychology from a sociological perspective. Emphasis is placed on traditional and contemporary theory and research dealing with the nature, causes, and consequences of human social behavior.



SOC 4493-94 Guided Independent Study (1 to 3 credit hours per course per semester)

Supervised study through field and laboratory projects, guided readings, creative endeavors or achievement of specific skills. Prerequisites: SOC 2275, Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. A written request is

course consists of lectures, videos, language drills and conversational exercises. (Credit for this course does NOT apply toward the Spanish major or minor.)

- SPN 1141 Introductory Spanish I (3)
Introduction to the Spanish language and cultures.
- SPN 1142 Introductory Spanish II (3)
Introduction to the Spanish language and cultures.
Prerequisite: SPN 1141 or permission of instructor.
- SPN 2241 Intermediate Spanish I (3)
Development of basic language skills in Spanish.
Prerequisite: SPN 1142 or permission of instructor.
- SPN 2242 Intermediate Spanish II (3)
Development of basic language skills in Spanish.
Prerequisite: SPN 2241 or permission of instructor.
- SPN 3332 Advanced Spanish I (3)
Development of advanced language skills in Spanish with emphasis on aural comprehension, conversation, reading, and composition. Prerequisite: SPN 2242 or permission of instructor.
- SPN 3333 Advanced Spanish II (3)
Development of advanced language skills in Spanish with emphasis on aural comprehension, conversation, reading, and composition. Prerequisite: SPN 2242 or permission of instructor.

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- SS 4498 Social Science Theory (3)
A survey of the major theorists in the social sciences, emphasizing those who made critical contributions influencing the several social science disciplines and contemporary theorists whose works have an interdisciplinary element.
- SS 4499 Senior Seminar (3)
In this course, the senior-level social science student prepares for the transition to graduate school/career.

- SWK 4480 Social Work Pre-Practicum (1)
Preparation for SWK 4481. Corequisite: SWK 4471 and SWK 4472.
- SWK 4481 Social Work Practicum (12)
Placement in a social service agency which provides the opportunity to practice and develop beginning professional social work skills under the joint supervision of a faculty and an agency supervisor. Includes a weekly seminar plus a minimum of 500 hours in a particular agency setting. Prerequisites: Social work major in good standing, SWK 4480. Practicum site must be approved by instructor during SWK 4480.

TROY UNIVERSITY COURSES (TROY)

- TROY 1101 University Orientation (1)
The primary purpose of this course is to assist entering students in acquiring the necessary knowledge and skills to manage effectively the Troy University campus environment in order to maximize their potential for success at the University, in their careers, and throughout their lives.
- TROY 1102 Career Exploration and Planning (1)
The primary purpose of this course is to assist stu-